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CHRYSANTHEMUMS

for 1954



Carnations for 1954

American Bulb Company

1335 W. RANDOLPH ST.
CHICAGO 7, ILL.



31 WEST 27TH ST.
NEW YORK 1, N.Y.



A House of Stock Plants for A.B.C. Cuttings.

The popularity of the Chrysanthemum has made it a universally grown crop and it is very essential that all growers start with cultured healthy cuttings. These are the kind you will find in the pages listed in this catalog.

WHAT CAUSES PREMATURE BUDDING OF CHRYSANTHEMUM CUTTINGS DURING THE SPRING MONTHS, AND WHAT TO DO TO PREVENT IT*

Bud initiation can occur any time during the spring months, whenever your temperatures in the greenhouses are consistently 60 degrees Fahrenheit or above, and the days are short enough to initiate bud setting. These conditions can occur any time up until May 1st depending upon the variety and the locality in which they are being grown. Some varieties such as the garden varieties and early shading varieties require very little short day treatment, coupled with high temperatures to initiate buds. This same tendency to set bud readily is what makes these varieties desirable for early shading and garden work.

In order to prevent this premature setting of buds, these same varieties should be placed where they can be given additional light during the early spring months. Use 60 watt bulbs spaced 4 feet apart and 30 inches above the plants. Use the lights for a period of two hours each night after dark up until May 1st, then discontinue lighting.

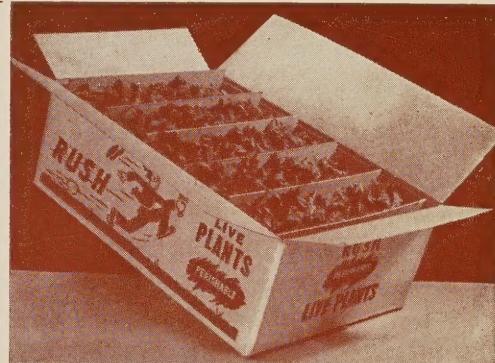
*Courtesy of our Growers.

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TERMS OF SALE

1. The minimum total order that can be accepted is 500 cuttings.
2. Fifty of each variety is the minimum that can be supplied.
3. More than 50 of a variety must be in multiples of 50.
4. No C.O.D. orders. Prices subject to change without notice.
5. **SAFE ARRIVAL** cannot be guaranteed. All shipments must be in satisfactory condition before being accepted by the common carrier. Our responsibility ceases upon receipt of shipment by their agent. If shipment arrives in bad order, i.e., broken, frozen or heated, call your express agent, have him inspect shipment and mark condition on the express receipt. Customer must file claim against the common carrier.



A.B.C. Mum cuttings are packed in specially designed cartons and rushed to you by express to insure their reaching you in perfect conditions.

SUBSTITUTIONS—Our growers will substitute equal or better varieties for items not available unless order is marked **NO SUBSTITUTIONS!** To avoid substitutions, place your order 6 months before delivery date.

CHANGES OR CANCELLATIONS on orders must be received at least 30 days before shipping date!

DISCOUNTS—2% for cash with an order for plants or rooted cuttings.

AIR SHIPMENTS—If you live in or near a city with air service, check the rates. In many cases you will find them almost as cheap as railway express rates and delays in transit will be avoided.

We, the American Bulb Company, act as agents for the growers, and we do not warrant in any way, expressed or implied, the description, quality, productiveness or any other matter of any cuttings or plants sold by us. We, further, will in no way be responsible for failure to deliver on dates requested. If the customer does not accept the goods on above terms he must return them at once, and money will be refunded or proper credit given. We exercise, however, the greatest care to fill our orders with the highest quality possible, as it is our constant aim to give our customers fullest satisfaction.

All goods are offered subject to crop failures, shortages or other causes beyond our control and to being unsold on receipt of order and we reserve the right to advance prices without notice.

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The Culture of Chrysanthemums, Any Season

SOURCE: OHIO STATE FLORISTS BULLETIN

Since publication, in the September, 1950 Bulletin, of the year around flowering program of chrysanthemums, the introduction of new varieties and refinements of culture necessitate the revision which we are presenting now.

CUT FLOWERS

The schedule of operations is that of Yoder Bros., adapted for the 40° to 45° north latitude (New England, New York, Pennsylvania, north half of Ohio, north half of Indiana, north half of Illinois, Iowa, Minnesota, Wisconsin, Michigan, Washington, and Oregon). For the latitude of 35° to 40° north (southern New Jersey, Delaware, Maryland, Virginia, West Virginia, North Carolina, Kentucky, Tennessee, Southern Ohio, southern Indiana, southern Illinois, Missouri, Kansas, Colorado, northern Arkansas, northern Oklahoma, southern Nevada, southern Utah, and central California) a slight modification of the schedule should be made between the dates of July 21 and March 3 only. This modification consists of cutting off one week of long day treatment or, to state in another way, give short day conditions one week earlier than is shown in the schedule presented here. For more southern latitudes, other schedules should be consulted.

Even though you may not be interested in chrysanthemums at all seasons, there is considerable interest in the flowering of the mum for specific periods. For example, the production of white, yellow, and light pink pompons for the spring months has been very profitable for some growers. The schedule can also be used for production of standard mums when natural varieties are mediocre or poor. This is well illustrated in December, when Smith's Late White and Tobin's Late Yellow may be the only varieties available. In this case it is quite simple to delay the flowering of the Indianapolis group, the Mefos, or the Queens for December to have good quality standards for this period.

CUTTINGS

The cuttings must be taken from lighted stock plants, and it is simplest to buy them from the specialist who is doing it.

LIGHTING

To prevent formation of flower buds the light intensity must be 10 foot-candles (F.C.). For an extensive area, additional light is best supplied by bulbs near the roof of the greenhouse and you should consult your local light and power company concerning the cheapest method of providing the desired intensity. For smaller installations the spacing given below will be satisfactory for a bench 4 feet wide:

60-watt bulbs in a reflector, spaced 4 feet apart, 2 to 4 feet above the tops of the plants.

100-watt bulbs in a reflector, spaced 6 feet apart, 2 to 4 feet above the tops of the plants.

200-watt bulbs in a reflector, spaced 8 feet apart, 2 to 4 feet above the tops of the plants.

Lights must be used between August 1 and May 15 because during this period the day length is short enough to cause flower buds to form on some of the varieties.

Results of work by experiment stations and commercial firms show that best results with lights are secured by interrupting the night. Actually, the chrysanthemum is a "long night" plant rather than a "short day" plant. This may appear to be splitting hairs, but flower buds can be prevented from forming by interrupting the night even though at the same time the day length is short. Therefore, begin lighting at 10 p.m. for the number of hours shown below:

Month	Hours of lighting per night
August	2
September	2½
October	3
November	4
December	5
January	5
February	4
March	3
April	2
May 1-15	2

Though manipulation of light to control spray formation is feasible, it is too complicated for the grower who is not a mum specialist.

SHADING

Between September 1 and February 15 the day length is short enough to cause flower buds to form on all varieties. Therefore it is not necessary to cover the plants with black cloth during this period. However, if you have a number of houses or benches in mums and the lights are not all turned off the same day, then you must use black cloth as a curtain between lighted and unlighted benches.

TEMPERATURE

To insure rapid vegetative growth as well as flower bud set, the night temperature must be 60° F. There are only a few crops that can be grown with chrysanthemums at the 60° F. night temperature during the fall, winter, and early spring months. Chrysanthemums can be grown with roses, gardenias, and China asters. However, stocks, snapdragons, and other cool crops cannot be grown with chrysanthemums. Flowers of extra fine quality can be produced by gradually lowering the night temperature to 50° F. after the flower buds are visible. This requires more time than shown in the schedule and cannot be practiced where chrysanthemums in various stages of development are being grown in the same house.

In hot summer weather, black cloth shade should be applied late in the afternoon and removed later in the morning—this will reduce the heat under cloth. Some varieties will not develop properly if it is too warm

A.B.C. Supreme Quality Rooted Cuttings

under the cloth, while pink and bronze varieties fade at high temperatures. The best bronze pompons to withstand summer heat are Beauregard, Buckskin, Dark Bronze Masterpiece, Firefly, and Paragon.

GENERAL RECOMMENDATIONS

The schedule of operations allows for three crops per year from the same square foot of bench space—if you are interested in year around flowering. If not, then use the schedule to flower the chrysanthemums wherever you want them.

Yoders do not pinch the cuttings. Since the market demands are for bunches with at least 6 stems, the planting distance varies with the season; that is, the more natural light there is the closer the planting. The recommended spacing is shown below:

Distance in inches	When plants are to be flowered from
4x6	June 15 to September 15
4x7	September 15 to November 1
4x8	November 1 to December 15
4x9	December 15 to March 15
4x8	March 15 to May 1
4x7	May 1 to June 15

Both pompons and standards are supported with wire and string, the same as pompons usually are. To get the best and most rapid growth, (1) be sure the soil is well drained, (2) keep the nitrate level no higher than 25 ppm (Spurway) in late fall and winter, and (3) keep the Solubridge (soluble salts) readings low.

Disbudding practices vary with the grower—some do, and some don't. Disbudding requires time, but with all except the button types (Pinocchio, etc.) the size of the flower and spray formation can usually be improved.

For color preference at various periods of the year, consult your selling outlet. Market preferences vary too much for specific recommendations.

Yoder's schedule of operations is based on weather conditions for northern Ohio. In the south where the sunlight is brighter, the plants will grow more rapidly and some adjustments may have to be made.

Failure of the plants to flower when given short days is usually due to allowing too many long days. Encore, Moonglow, Golden Chord, Majorette, and a few others are especially troublesome in this respect.

VARIETIES

You will note that varieties have been classified into groups, depending upon the approximate number of weeks required for them to come into flower from the time they are given short day treatment. Those that naturally flower early are in the 7 or 8 week groups; those flowering somewhat later are in the 10-week group, etc.

Some of the pink, bronze, and red varieties will fade badly at high temperatures. In these colors, the varieties proving the most satisfactory in warm weather are Beauregard, Buckskin, Dark Bronze Masterpiece, Memorial, Pandora, Paragon, Pink Dot, Red Seneca, Reward, Rubicon, and Taffeta.

The varieties listed below are recommended for out-of-season production:

White Pompons, Decoratives, Singles, and Anemones

Variety	Recommended for flowering
7-week varieties	
Classic	May 12 - October 6
Horizon	"
Silverplate	"
White Wonder	"
8-week varieties	
Norona	May 5 - October 13
Pristine	"
9-week varieties	
Halo	April 20 - October 27
Keepsake	"
Pinocchio	"
Popcorn	"
Songster	"
White Popcorn	"
10-week varieties	
Dynamo	April 6 - November 3
Encore	"
Illini Snowdrift	"
Little America	"
Madonna	"
Matchless	"
Moonglow	"
Shasta	"
Shasta Daisy	"
White Mensa	"
11-week varieties	
Crystal Beauty	September 29 - May 5
Highbrow	"
Lakme	"
Paramount	"
Sculpture	"
Snowflake	"
12-week varieties	
Belray	October 13 - April 27
Fortune	"
Monarch	"
White Valencia	"
13-week varieties	
Acclaim	October 27 - April 13
Cameo	"
Cotillion	"
Ivory Cameo	"
Snowdrop	"
Snow Queen	"
Yukon	"
14-week varieties	
Satellite	November 10 - March 30
Silversmith	"
Snowcap	"
Snowcrest	"
Yellow Pompons, Decoratives, Singles, and Anemones	
7-week varieties	
Bright Forecast	May 12 - October 6
Goldrush	"
Polaris	"
Sweepstakes	"
8-week varieties	
None suitable.	
9-week varieties	
Gold Coast	April 20 - October 27
Golden Herald	"
Mary Lennon Hall	"
Schneeburg's Yellow Daisy	"
Starbright	"
Sunup	"
Yellow Arcadia	"

10-week varieties

Brigadoon	April 6 - November 3
Crescendo	June 15 - September 15 only
Pixie	April 6 - November 3
Yellow Shasta	"

11-week varieties

Bojangles	September 29 - May 5
Forty-niner	"
Golden Chord	Sept. 29 - Dec. 31 only
Klondike	September 29 - May 5
Lollipop	"
Pippin	"
Thorobred	"

12-week varieties

Champagne	October 13 - April 27
Goldenrod	"
Goldsmith	"
Highlander	"
Nosegay	"
Omega	"
Yellow Valencia	"

13-week varieties

Cinderella	October 27 - April 13
Corsair	"
Symmetry	"
Yellow Cameo	"

14-week varieties

Jack pot	November 10 - March 30
Shamrock	"
Siren	"
Vibrant	"
Yellow Riviera	"
Yellow Snowcrest	"

Bronze and Red Pompons, Decoratives, Singles, and Anemones

7-week varieties

Admiral	May 12 - October 6
Blueblood	"
Carmelita	"
Carmen Queen	"
Firecracker	"
Fireside	"
Marionette	"
Nocturne	"
Red Velvet	"
Witchery	"

8-week varieties

Detroiter	May 5 - October 13
James Stewart	"
Rajah	"
Robinhue	"

9-week varieties

Buccaneer	April 20 - October 27
Buckskin	"
Firefly	"
Red Seneca	"

10-week varieties

Beauregard	April 6 - November 3
Bronze Linda Lou	"
Chanticleer	"
Chevron	"
Copperhead	"
Dark Bronze Masterpiece	"
Paragon	"
Rubicon	"
Samovar	"

11-week varieties

Bronze Minuet	September 29 - May 5
Festival	"
Mrs. Dewey	"
Rusticon	"
Shalimar	"
Thelma	"

12-week varieties

Amberina	October 13 - April 27
Apricot Valencia	"
Bronze Goldsmith	"
Crimson Valencia	"
Galaxy	"
Indian Head	"

13-week varieties

Bronze Minstrel	October 27 - April 13
Christmas Star	"
Harlequin	"
Holiday	"
Mahogany Viking	"

14-week varieties

Bronze Riviera	November 10 - March 30
Christmas Greeting	"
Merrymaker	"
Poinsettia	"
Topaz	"

Pink Pompons, Decoratives, Singles, and Anemones

7-week varieties

Adagio	May 12 - October 6
Courtier	"
Early Wonder	"
Lassie	"
Spellbound	"
Sweetheart	"

8-week varieties

Carolyn Yosick	May 5 - October 13
Mary McArthur	"

9-week varieties

Ballerina	April 20 - October 27
Pink Dot	"
Reward	"

10-week varieties

Linda Lou	April 6 - November 3
Masterpiece	"
Memorial	"
Pandora	"
Soprano	"
Taffeta	"

11-week varieties

Brocade	September 29 - May 5
Grand Slam	"
Majorette	"
Mermaid	"
Minuet	"
Pinky	"

12-week varieties

Dark Valencia	October 13 - April 27
Heritage	"
Orchid Valencia	"
Princess	"
Salmon Valencia	"
Valencia	"

13-week varieties

Debutante	October 27 - April 13
Minstrel	"

14-week varieties

Defiance	November 10 - March 30
Medallion	"
Riviera	"
Rosalind	"

White Standards

8- and 9-week varieties

(Handle all as 9-week types)

Queen's Lace	June 16 - October 27
Silver Sheen	"
White Chief	"

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Variety	Recommended for flowering	Variety	Recommended for flowering
10- and 11-week varieties (Handle all as 10-week types)		Bronze and Red Standards	
Betsy Ross	September 29 - June 9	9-week varieties	June 16 - October 27
Indianapolis White	"	10-week varieties	
Jean Elizabeth	"	Garnet King	September 29 - June 9
Marketeer	"	Indianapolis Bronze	"
Mefo	"	Mrs. Roy	"
Monument	"	Nomago	"
Sterling	"	12-week varieties	
12-week varieties		Gladys Pearson	November 24 - April 27
Chattanooga	November 24 - April 27	Oak Leaf	"
December Glory	"	Pink Standards	
Yellow Standards		8- and 9-week varieties	
8- and 9-week varieties (Handle all as 9-week types)		(Handle all as 9-week types)	
Blazing Gold	June 16 - October 27	Mary Garden	June 16 - October 27
Good News	"	Pink Chief	"
Yellow Lace	"	10- and 11-week varieties (Handle all as 10-week types)	
10- and 11-week varieties (Handle all as 10-week types)		Dark Orchid Queen	September 29 - June 9
Harvester	September 29 - June 9	Edwin Seidewitz	"
Indianapolis Yellow	"	Helen Frick	"
Jamboree	"	Indianapolis Pink	"
Lorraine	"	Orchid Queen	"
Yellow Mefo	"	Pink Pockets	"
Yellow Queen	"	Thanksgiving Pink	"
12-week varieties			
Golden Mrs. Ross	November 24 - April 27		
Golden Pearson	"		
Yellow Chattanooga	"		

POTTED PLANTS

The general rules pertaining to the use of lighted cuttings, lighting, shading, and temperature apply to chrysanthemums grown as pot plants as stated for cut flowers. However, the pinching date and the varieties used are much different. To keep the plants low, compact, and shapely, they must be pinched soon after they are potted.

Single pinch system. Some growers prefer to produce plants that are pinched only once, because it is a quick method of production. At least 3 or 4 cuttings should be placed in a 5-inch pot or 4 or 5 cuttings in a 6-inch pot. Azalea pots are suggested rather than standards because they are lower and give better effect to the finished plant. If potted during the spring, summer, and fall months, best results are secured with most varieties by pinching and shading the plants the same day that they are potted. This is often referred to as the pot, pinch, and short day system of production. During the winter months, however, it has been observed that the plants should be allowed to grow for 7 to 10 days before they are pinched and given short days.

Double pinch system. Larger, more showy plants are obtained by pinching twice. Three rooted cuttings should be placed in a 5- or 6-inch azalea pot. If potted during the spring, summer, and early fall months, the cuttings should be pinched the same day they are potted and then pinched again in 3 to 4 weeks depending upon the rapidity of growth. With most varieties, the plants should be given short day conditions the same day as the date of the second pinch. In the winter months better results are obtained if the cuttings are allowed to grow 7 or 10 days before they are pinched the first time, and, the second pinch should be made 3 or 4 weeks later.

Varieties. The number of good varieties for use as pot plants is rather limited. While it is true that any variety may be pot grown, it is usually the larger flowered types that find quick public acceptance.

WHITE

Christina - early.

Granite State - short compact growth; often necessitates more cuttings per pot or use of smaller pots.

Indianapolis White - usually too tall unless pinched 10 days after short days are started.

Little America - must be disbudded for best results.

Queen's Lace - a good novelty, but will be too tall unless pinched 10 days after short days are started.

Richard Mandel - formerly the most popular white.

Silversmith - though a seedling of Revelation, it is not too tall if pinched 10 to 14 days after short days are started; must be disbudded. Recommended for December through March only.

White Frick - usually too tall unless pinched 10 days after short days are started.

Wilson's White - a new one that is worthy of trial.

YELLOW

Blazing Gold - early, but somewhat soft.

Bonafon Deluxe - the best pot mum, bar none. Sometimes uneven or blind in winter.

Butterball

Dark Indianapolis Yellow - a sport which is short.

Golden Glory - may be soft.

Gold Lode - very soft, but early.

Indianapolis Yellow - usually too tall unless pinched 10 days after short days are started.

Sunglow - may be soft.

Yellow Lace - an excellent novelty, but will be too tall unless pinched 10 days after short days are started.

BRONZE AND RED

Apricot Queen - if overwatered, this variety quickly becomes chlorotic.

Bronze Masterpiece - somewhat soft, and must be disbudded. If too tall, pinch 7 to 10 days after short days are started.

Copperhead - usually too tall unless pinched 10 days after short days are started.

Glitters - if overwatered, this variety quickly becomes chlorotic.

Gypsy - must be disbudded; fades in hot weather.

Indianapolis Bronze - usually too tall unless pinched 10 days after short days are started.

Indianapolis Golden Bronze - a quilled sport which is short.

Ivanhoe

Mrs. Stahelin - may be tall.

PINK

Helen Frick - usually too tall unless pinched 10 days after short days are started.

Indianapolis Pink - usually too tall unless pinched 10 days after short days are started.

Masterpiece - somewhat soft and must be disbudded. If too tall, pinch 7 to 10 days after short days are started.

Queen of Pinks - the most popular pink pot mum; fades badly in hot weather.

General Remarks. The best pot mums are produced by placing three rooted cuttings in the finishing pot. If hard, starved plants out of small pots are used, poor specimens should be expected. If the pinches are made too high, the plant will not only be leggy, but require extra care in staking.

Regular applications of fertilizer should be made to keep the foliage green and the plant in a healthy condition. It is no longer necessary to run the plants extremely dry and starve them to obtain compact specimens—proper pinching takes care of this. Foliar nematode and septoria black spot can cause the loss of lower leaves which makes the plants unsightly.

A pot mum that is too tall and leggy or one devoid of lower foliage is the main reason why one hears the remark "pot mums won't sell." Height can be kept in check by pinching 7 to 10 days after short days are started. With some varieties it may be necessary to

The following varieties are recommended:

White	Yellow	Pink	Bronze
Avalanche	Bamboo	Joybringer	Carmelita
Calcite	Carnival	Major Cushion	Early Bronze
Christopher Columbus	Early Gold	September Cheer	James Stewart
Classic	Early Yellow	Serenade	Mona
Pepita	Gold Rush		
Renown	Lemonade		
Silverplate	September Sunshine		
White Wonder	Witchery		
	Yellow Christopher Columbus		
	Yellow Spoon		
	Yellow Supreme		
		Apricot	Orchid
		Calico	Jewell
		Tiffany Rose	Spellbound
		W. P. Snyder	

pinch as late as 14 days after short days are started. It is remarkable how the variation of pinch date in relation to the start of short days regulates the height and compactness of the plant.

While any variety may be grown as a pot mum, most pompons and standards become tall and leggy, are too soft, or do not produce an eye-catching display of flowers.

Only one flower should be allowed to develop per stem. All other buds should be removed when they are large enough to handle conveniently.

Hardy varieties as spring flowering pot plants.

A number of hardy or garden chrysanthemums can be grown as spring flowering pot plants. By using the easy-to-follow directions below there is no trick at all in producing excellent specimens:

1. Use only cuttings taken from lighted stock plants.
2. For flowering about May 1, place 5 rooted cuttings in a 5- or 6-inch pot February 8 and pinch that same day.
3. Give the plants 10 foot-candles of light from 5 p.m. to 10 p.m. each night from February 8 to March 8.
4. On March 8 pinch the plants again, discontinue lighting, and to produce the most uniform specimens shade with black cloth daily from 5 p.m. to 8 a.m. until flowering.
5. Keep the night temperature at 60° F. from potting until flowering.

If the plants are desired somewhat earlier or later than May 1, the dates of potting, pinching, lighting, and shading can be moved ahead or back as desired. This schedule has been worked out at Columbus, Ohio, which is on the 40th parallel. For other localities some modifications may be necessary.

In Ohio the sale of the chrysanthemum as a hardy plant necessitates the purchase of a license for the sale of perennials. Consult with your nursery inspector or county agent if you are not sure of the law in your state.

As a spring flowering pot plant the hardy or garden chrysanthemum is in a class by itself and when correctly grown it should be a valuable addition to the list of spring plants sold by both nurserymen and florists.

A.B.C. Supreme Quality Rooted Cuttings

Schedule of Operations for Unpinched Chrysanthemums at Any Season

Plant rooted cuttings*	Light beginning	Shade or start short days beginning**								Date of flowering
		For 7-week var.	For 8-week var.	For 9-week var.	For 10-week var.	For 11-week var.	For 12-week var.	For 13-week var.	14-week var.	
Jan. 14	Jan. 14		Mar. 10	Mar. 3	Feb. 25	Feb. 18				May 5
Jan. 21	Jan. 21	Mar. 24	Mar. 17	Mar. 10	Mar. 3					May 12
Feb. 4	Feb. 4	Mar. 31	Mar. 24	Mar. 17	Mar. 10					May 19
Feb. 11	Feb. 11	Apr. 7	Mar. 31	Mar. 24	Mar. 17					May 26
Feb. 25	Feb. 25	Apr. 14	Apr. 7	Mar. 31	Mar. 24					June 2
Mar. 3	Mar. 3	Apr. 21	Apr. 14	Apr. 7	Mar. 31					June 9
Mar. 17	Mar. 17	Apr. 28	Apr. 21	Apr. 14	Apr. 7					June 16
Mar. 24	Mar. 24	May 5	Apr. 28	Apr. 21	Apr. 14					June 23
Mar. 31	Mar. 31	May 12	May 5	Apr. 28	Apr. 21					June 30
Apr. 7	Apr. 7	May 19	May 12	May 5	Apr. 28					July 7
Apr. 14	Apr. 14	May 26	May 19	May 12	May 5					July 14
Apr. 21	Apr. 21	June 2	May 26	May 19	May 12					July 21
Apr. 28	Apr. 28	June 9	June 2	May 26	May 19					July 28
May 5	May 5	June 16	June 9	June 2	May 26					Aug. 4
May 12		June 23	June 16	June 9	June 2					Aug. 11
May 19		June 30	June 23	June 16	June 9					Aug. 18
May 26		July 7	June 30	June 23	June 16					Aug. 25
June 2		July 14	July 7	June 30	June 23					Sept. 1
June 9		July 21	July 14	July 7	June 30					Sept. 8
June 16		July 28	July 21	July 14	July 7					Sept. 15
June 16		Aug. 4	July 28	July 21	July 14					Sept. 22
June 23		Aug. 11	Aug. 4	July 28	July 21					Sept. 29
June 30		Aug. 18	Aug. 11	Aug. 4	July 28					Oct. 6
July 7			Aug. 18	Aug. 11	Aug. 4	July 21				Oct. 13
July 14				Aug. 18	Aug. 11	Aug. 4	July 28			Oct. 20
July 14				Aug. 25	Aug. 18	Aug. 11	Aug. 4	July 28		Nov. 3
July 21				Sept. 1	Aug. 25	Aug. 18	Aug. 11	Aug. 4	Aug. 25	Nov. 10
July 28				Sept. 8	Aug. 25	Aug. 18	Aug. 11	Aug. 4	Aug. 11	Nov. 17
July 28				Sept. 15	Sept. 8	Sept. 1	Aug. 25	Aug. 18	Aug. 25	Nov. 24
Aug. 4	Aug. 4			Sept. 22	Sept. 15	Sept. 8	Sept. 1	Aug. 25	Sept. 1	Dec. 1
Aug. 11	Aug. 11			Sept. 29	Sept. 22	Sept. 15	Sept. 8	Sept. 1	Sept. 1	Dec. 8
Aug. 11	Aug. 11			Oct. 6	Sept. 29	Sept. 22	Sept. 15	Sept. 8	Sept. 1	Dec. 15
Aug. 18	Aug. 18			Oct. 13	Oct. 6	Sept. 29	Sept. 22	Sept. 15	Sept. 8	Dec. 22
Aug. 25	Aug. 25			Oct. 20	Oct. 13	Oct. 6	Sept. 29	Sept. 22	Sept. 15	Dec. 29
Aug. 25	Aug. 25			Oct. 27	Oct. 20	Oct. 13	Oct. 6	Sept. 29	Sept. 22	Jan. 5
Sept. 1	Sept. 1			Nov. 3	Oct. 27	Oct. 20	Oct. 13	Oct. 6	Sept. 29	Jan. 12
Sept. 8	Sept. 8			Nov. 10	Nov. 3	Oct. 27	Oct. 20	Oct. 13	Oct. 27	Jan. 19
Sept. 15	Sept. 15			Nov. 17	Nov. 10	Nov. 3	Oct. 27	Oct. 20	Oct. 27	Jan. 26
Sept. 22	Sept. 22			Nov. 24	Nov. 17	Nov. 10	Nov. 3	Oct. 27	Oct. 27	Feb. 2
Sept. 29	Sept. 29			Dec. 1	Nov. 24	Nov. 17	Nov. 10	Nov. 3	Nov. 3	Feb. 9
Oct. 6	Oct. 6			Dec. 8	Dec. 1	Nov. 24	Nov. 17	Nov. 10	Nov. 10	Feb. 16
Oct. 13	Oct. 13			Dec. 15	Dec. 8	Dec. 1	Nov. 24	Nov. 17	Nov. 17	Feb. 23
Oct. 20	Oct. 20			Dec. 22	Dec. 15	Dec. 8	Dec. 1	Nov. 24	Nov. 24	Mar. 2
Oct. 27	Oct. 27			Dec. 29	Dec. 22	Dec. 15	Dec. 8	Dec. 1	Dec. 1	Mar. 9
Nov. 3	Nov. 3			Jan. 5	Dec. 29	Dec. 22	Dec. 15	Dec. 8	Dec. 8	Mar. 16
Nov. 10	Nov. 10			Jan. 12	Jan. 5	Dec. 29	Dec. 22	Dec. 22	Dec. 15	Mar. 23
Nov. 17	Nov. 17			Jan. 19	Jan. 12	Jan. 5	Dec. 29	Dec. 29	Dec. 22	Mar. 30
Dec. 1	Dec. 1			Jan. 26	Jan. 19	Jan. 12	Jan. 5	Jan. 19		Apr. 6
Dec. 8	Dec. 8			Feb. 2	Jan. 26	Jan. 19	Jan. 12	Jan. 5		Apr. 13
Dec. 22	Dec. 22			Feb. 9	Feb. 2	Jan. 26	Jan. 26	Jan. 19		Apr. 20
Dec. 29	Dec. 29			Feb. 23	Feb. 16	Feb. 9	Feb. 2	Feb. 2		Apr. 27

*For a pinched crop, pinch on this date and plant as indicated below:—

When planting Nov. 15 to Feb. 14, allow 5 weeks from planting to pinching.

When planting Feb. 15 to May 14, allow 4 weeks from planting to pinching.

When planting May 15 to Aug. 14, allow 3 weeks from planting to pinching.

When planting Aug. 15 to Nov. 14, allow 4 weeks from planting to pinching.

**No need to use black cloth between September 1 and February 15 unless lights are used in the same house.

DESCRIPTIONS OF NEW 1954 INTRODUCTIONS

MARSHMALLOW Oct. 5. Heavily petalled pure white daisy. Improves the growth and durability of Chris. Columbus. Recommended as a garden variety and Mother's Day pot plant. Dwarf, compact plant.

SILVERTONE Oct. 24. Intermediate white daisy. Similar in habit to Reward and Buckskin. August and September cloth house and May through October in the greenhouse.

SILVER CLOUD Nov. 1. Intermediate white single. Heavily petalled, better form than Halo. A good producer. Recommended April through October with use restricted to the greenhouse.

FREEDOM Nov. 5. Intermediate pure white single. Outstanding for spray formation and flower substance. Clean vigorous growth; improves Halo in all respects. Recommended for August and September cloth house, and May through November in the greenhouse. Excellent shipping and keeping qualities.

WHITETOP Nov. 5. Intermediate pure white decorative. Vigorous growth habit. Recommended April through November in the greenhouse and August through October in the cloth house; also as a medium sized disbud for pots. It fills the need for a pure white pompon in the greenhouse during the spring months when Encore is difficult to flower.

PACESETTER Nov. 10. Intermediate pure white single. Good form, pettage and substance. Excellent shipping quality. Growth is short and strong. Excellent for spring, summer and fall. A very fine pot plant disbud.

ILLINI STARLET Dec. 10. (Univ. of Ill.) Intermediate white anemone. Improves Garza in form, growth and clarity of color. Good production and much freer growth. Believe this is a white anemone that could replace Garza.

TRENTON Dec. 15. (DePetris) White pompon. Good form and substance plus production. An important pompon for natural flowering.

TALMEDA Jan. 5. (DePetris) Intermediate white pompon. Improves Revelation. Just about latest white pompon. Good form and substance.

LEE POWELL Oct. 10. Large golden yellow decorative. Vigorous plant. Showy. Fine for disbudding. Outstanding garden variety. Promising for outdoor cut flower and spring pot plant.

ARLORA Oct. 15. (DePetris) Large, soft yellow, closely incurved flower. Very good substance; Flower 3" - 3 1/2" in diameter. Should prove good spring and fall pot plant.

CREAMPUFF Oct. 20. Intermediate cream white single. Strong fast growth and very heavy production. A beautiful new color for April through June. Excellent in the late September and October cloth house.

ORDALIA Oct. 25. (DePetris) Deep golden yellow, semi-incurved decorative. Size 3" - 3 1/2". Excellent keeper. Very vigorous bushy growth. Blooms in the garden in October. A large pot plant disbud.

STARLIGHT Oct. 25. Large yellow daisy. Improves the growth and production of Starbright. Very durable; uniform response. A 9 week Yellow Valencia. Recommended April through October in the greenhouse. Natural or disspray. Makes a fine disbud in pots spring and fall.

AZTEC Oct. 28. Intermediate deep yellow daisy. Strong wiry growth and heavy production. Especially valuable for high temperature flowering. Recommended May through October in greenhouse and, August and September in cloth house. Greatly improves existing 9-week yellow daisy varieties in production and flower quality.

SAUTERNE Oct. 30. Intermediate intense yellow single. Very uniform response tolerating a wide temperature range. Improves the production, pettage and quality of Yellow Halo and other existing yellow daisy varieties. Recommended May through October in the greenhouse, August through October in the cloth house.

GONDOLA Oct. 30. Intermediate yellow daisy. Outstanding form and color. Quite large flower similar to Starbright. Recommended May through October in the greenhouse and in the cloth house. Very durable with fine pettage and substance.

HONEYMOON Nov. 4. Large yellow daisy. Good form and an unusually clear yellow color. Recommended May and June in the greenhouse, and August and September in the cloth house.

YELLOW PARAMOUNT Nov. 23. Deep yellow sport from Paramount. Same habit as original variety.

YELLOW FORTUNE Dec. 1. Deep yellow sport from Fortune. Same habit as original variety.

YELLOW SNOWCAP Dec. 15. Deep lemon yellow sport from Snowcap. Same habit as original variety.

BUCKEYE Oct. 3. Intermediate salmon bronze pompon. Dwarf, compact, very sturdy growth. Striking new color well suited to the garden and Mother's Day pot plant program.

MOONMAID Oct. 14. Intermediate salmon bronze pompon. A new and useful color with good growth and production. Late garden variety or outdoor cut flower. Recommended for spring and fall flowering.

TALISMAN Oct. 20. Talisman bronze; intermediate daisy. Color holds exceptionally well. Recommended April through October in the greenhouse and August and September cloth house.

PARADISE Oct. 20. Intermediate coral red single. Color holds well. Recommended April through mid June in the greenhouse, mid August through October in the cloth house. A tall variety of outstanding new color.

PALETTE Oct. 20. Intermediate dark salmon single. Heavy pettage with good substance. Fine in spring and fall. A new pastel shade.

GAIETY Oct. 25. Intermediate coral bronze single. This variety in combination with Paradise and Prelude constitute a trio bred to widen color range adding new and lively pastels especially valuable in the spring. Good growth and production. An exciting new color.

HILARITY Nov. 1. Intermediate golden bronze single. Small daisy of wide petal and very lively color. Tolerates a wide range of conditions. Recommended May through October. Growth habit lends itself to pot culture.

FLAME GLOW Nov. 5. (Winkler) Intermediate golden orange single. Fine growth and production.

ORANGE BEAUREGARD Nov. 5. Lively, light orange or golden bronze sport from Beauregard. Valuable in a continuous year round program. In the early cloth house or under high temperature conditions it is a deep golden yellow pompon. Growth habit and response is same as that of Beauregard.

RED KING Nov. 13. (Poesch) Intermediate Red Daisy. Good growth and production; short, compact plant with compound spray. A good red pot plant variety.

CADET Nov. 14. Intermediate red anemone. Short, compact and free breaking. Approximate size of Gypsy. Recommended as a spray but useful as a disbud. Season is October through March, especially effective at Thanksgiving and Christmas. A pot plant variety.

ILLINI REDWOOD Nov. 25. (Univ. of Ill.) Intermediate red pompon. Hard, durable, well formed flower. Fine red pompon for Thanksgiving.

PETRISIAN MAUVE, PETRISIAN PINK, PETRISIAN ROSE Oct. 5. (DePetris) These are three outstanding DePetris hybrids for the garden and spring pot plants.

SONNET Oct. 14. Intermediate salmon pink pompon. Stocky compact growth; well adapted to the garden and a good spring pot plant. Valuable color in late September cloth house.

BETTY Oct. 14. Intermediate light salmon pink decorative. Upright cut flower growth; suitable for gardens. Well known for outstanding color.

FAIRYLAND Oct. 15. Intermediate decorative; lively pink color. Very uniform response. A low temperature variety that improves Carolyn Yosick; also a spring and fall pot plant. Recommended in early cloth house and as a garden variety.

MAYFAIR Oct. 15. Intermediate, smooth pink single. Growth and production surpasses that of Reward. Uniform flowering response. Valuable for cut April through October in the greenhouse and, July through October in the cloth house. A much needed color in a cloth house daisy.

JESTER Oct. 15. Intermediate, dark, orchid pink single. Very early variety with free vigorous growth.

DESCRIPTIONS OF NEW 1953-54 INTRODUCTIONS

CITATION Oct. 15. Intermediate pink pompon. Dwarf, compact but very sturdy growth. In color and growth it improves Queen of Pinks. A pot plant disbud. Recommended April through June and again in October. One of the best late garden varieties.

MIRTH Oct. 20. Intermediate light pink single. Larger than Reward. Especially valuable in spring flowering April through June. Durable and uniform response in July through October in the cloth house.

PRELUDE Oct. 24. Intermediate coral pink single. Clean growth habit. A beautiful pastel color, extremely effective under artificial light. Recommended flowering period April through June, and mid September through October cloth house and greenhouse.

PINKETTE Oct. 25. Intermediate pink pompon. A bread and butter variety to grow with Keepsake and Gold Coast. Recommended for May and June, and again in September and October in the greenhouse; also, August through October in the cloth house.

VOGUE Oct. 25. Large pink single. Beautiful form and substance. Especially valuable June and July. Rigid growth habit. Improves Ballerina and Soprano. Good in August—September cloth house.

PORTRAIT Nov. 8. Large pink pompon. Very heavy producer of beautiful high quality flowers. Growth is strong, compact with excellent sprays. A versatile variety that can be grown anytime 10-week varieties are used. Also responds well to partial disbudding. Tolerates a

lower minimum temperature than Pandora. Excellent pot plant March through December.

BLUE CHIP Nov. 1. Intermediate pink decorative. Vigorous growth and heavy production; very pleasing color. Recommended May and June in the greenhouse, and August through October in the cloth house. Also a good spring pot plant disbud.

LOTUS Nov. 3. (DePetris) Intermediate pink pompon. Mary McArthur growth; a high quality flower for the shading program.

TEMPO Nov. 3. Intermediate deep pink decorative. A 9-week Masterpiece. Rigid stem; very hard, durable flower. Recommended April through June in the greenhouse, and August and September in the cloth house.

PENNANT Nov. 10. Intermediate pink decorative. A dark pink Masterpiece; fine form and substance. Tolerates low temperature well. Vigorous growth. Recommended April through October in the greenhouse, and August through October in the cloth house.

COVER GIRL Nov. 10. (Winkler) Light pink anemone with salmon pink cushion. Good color and form. Short, compact growth with good production. For cut flower and pot plant use.

NOBILITY Nov. 10. Intermediate light pink single. Very flat form. Medium to tall with free, easy growth. A quality daisy. Recommended May, June, October and November in the greenhouse, and August through October in cloth house.

CAROLE Nov. 15. (Winkler) Light pink anemone with salmon pink cushion. Resembles Majorette. Definitely smoother color plus more substance.

POLKA Nov. 20. Intermediate pink anemone. Essentially a pot plant; equally valuable as a spray or disbud. Beautiful form and color. Compact growth. Recommended October through June.

NUGANO Nov. 20. (DePetris) Intermediate pompon. Excellent growth and production. A high quality flower. One of the most important pink pompon for this season.

DK. PK. MAJORETTE Nov. 20. Dark sport of Majorette. Lively, intense color. Same habit as original variety.

ILLINI FORMAL Nov. 23. (Univ. of Ill.) Intermediate rose pink pompon. Fine growth and production. Excellent substance. Flowers for Thanksgiving. Very novel form that should be popular.

PINK CLOUD Nov. 25. (Winkler) Light pink decorative. Greenish overcast until mature; very fine form and substance.

ARGYLE Dec. 10. (DePetris) Small pink pompon. Fine clean growth; hard flower plus very acceptable pink shade. An outstanding late pink pompon.

DK. YEL. CHATTANOOGA Nov. 25. (Wolfe) Deep yellow sport from Chattanooga. Same habit as original variety.

WHITE ENCHANTRESS Dec. 5. Sport of Enchantress.

YELLOW ACCLAIM Dec. 5. Bright yellow sport of Acclaim.

NEW GARDEN VARIETIES 1954

OSTOSA Solid pure white medium large pompon type. Vigorous semi-dwarf habit. Very free flowering with good substance. Blooms Sept. 25th.

BUTTERCUP (H) Large golden yellow in-curving bloom. Free growth and good foliage as well as free flowering. Blooms Oct. 1st.

REGINA Large decorative blooms of a pleasing coral apricot bronze color. Very free flowering. Blooms Oct. 1st.

LIMELIGHT Very free and productive solid white pompon with a greenish cast. Excellent substance and form as well as placement. Good clean straight stems makes it an excellent cutting variety. Beautiful growth and foliage. Blooms Oct. 5th. This variety should be outstanding for cutting besides making a

very showy white pompon for the garden, very vigorous and easily grown.

CORONA (H) An outstanding vivid pink daisy shading to wine. Of good size and excellent substance. Very good clean stem freely produced and perfect placement. Very good growth and foliage. Blooms Oct. 5th. Excellent both for cutting and garden decoration.

SUNSTONE Very free and vigorous plant producing many blooms of soft yellow spoon or spider like blooms on good stems. Very good foliage. Somewhat tall growth habit. Useful for cutting as well as garden decoration. Blooms Oct. 8th.

CALUMET (H) Outstanding full decorative blooms of good size and substance produced on strong clean stems of good length. Color is a lively apricot with a

luminous glow. Beautiful foliage with very free and vigorous growth habit. Blooms October 8th to 10th. This is a Rubellum hybrid which produces high quality blooms with almost perfect stems and sprays without shading.

CHOPIN Large incurved light bronze averaging 4" to 4½" which grows 20 or more blooms to the plant. Very strong stems and vigorous semi-dwarf growth. Blooms October 15th.

SARASOTA Lively yellow solid pompon with good size and substance. Vigorous and productive, therefore suitable for cut flowers. Medium tall. Blooms October 15th.

ARVIS Vivid bronze small pompon. Free growth and good stem. Blooms October 15th.

CHANGES OR CANCELLATIONS must be received at least 30 days before shipping date.

White Pompoms, Decoratives

Singles & Anemones

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
6 Week Varieties				
Sept. Morn		Oct. 1	Int. Single	S-1
White Wonder		Oct. 1	Int. Pompon	S-2
Chris. Columbus		Oct. 1	Int. Decorative	S-1
7 Week Varieties				
Avalanche		Oct. 5	Large Decorative	S-2
White Cloud		Oct. 5	Large Decorative	S-1
Horizon		Oct. 5	Int. Pompon	P-3
Marshmallow		Oct. 5	Int. Single	P-1
Maestro		Oct. 10	Int. Pompon	S-1
Renown		Oct. 10	Small Single	S-1
Classic		Oct. 10	Int. Pompon	S-1
Silverplate		Oct. 12	Int. Decorative	S-1
8 Week Varieties				
Silver Ball	July 10	Oct. 15	Large Pompon	S-3
Calif. White Daisy (Kimoto's White)	July 10	Oct. 15	Int. Single	S-1
Irene	July 10	Oct. 15	Small Pompon	S-2
Norona	July 10	Oct. 15	Small Pompon	P-3
Pristine	July 10	Oct. 20	Int. Pompon	S-1
Minong	July 10	Oct. 20	Small Pompon	S-3
Silvertone	July 15	Oct. 24	Int. Single	P-1
9 Week Varieties				
Popcorn	July 15	Oct. 25	Int. Pompon	S-2
White Popcorn	July 15	Oct. 25	Int. Pompon	P-3
Keepsake	July 15	Oct. 25	Int. Pompon	P-3
Pinocchio	July 20	Oct. 25	Small Pompon	S-3
Songster	July 15	Oct. 25	Int. Pompon	S-1
Cottontop	July 20	Oct. 25	Small Pompon	S-2
Shooting Star	July 20	Oct. 25	Int. Single	P-3
Arcadia	July 20	Oct. 28	Int. Pompon	S-2
Silver Cloud	July 20	Nov. 1	Int. Single	P-1
Halo	July 20	Nov. 1	Int. Single	S-1
Sea Gull	July 20	Nov. 1	Int. Pompon	S-3
White Doty	July 20	Nov. 1	Large Pompon	S-2
10 Week Varieties				
Freedom	July 20	Nov. 5	Int. Single	P-1
Whitetop	July 20	Nov. 5	Int. Decorative	P-1
Madonna	July 20	Nov. 5	Int. Pompon	P-3
Kolowa	July 20	Nov. 5	Int. Single	S-1
Encore	July 20	Nov. 5	Int. Pompon	S-2
White Anemone	July 20	Nov. 5	Large Anemone	S-1
White Mensa	July 20	Nov. 5	Large Single	S-2
Rev. Bushnell	July 19	Nov. 8	Int. Pompon	S-1
Moonglow	July 20	Nov. 8	Int. Pompon	S-1
**Pacesetter	July 20	Nov. 10	Int. Single	P-1
Illini Igloo	July 20	Nov. 10	Int. Pompon	P-2
Shasta	July 20	Nov. 10	Large Anemone	S-3
Dynamo	July 20	Nov. 10	Int. Pompon	P-3
Vesper	July 20	Nov. 10	Int. Pompon	S-2
Nagona (Calif. White Mensa)	July 20	Nov. 10	Int. Single	S-1
**Little America	July 20	Nov. 10	Int. Anemone	S-3
Illini Snowdrift	July 20	Nov. 12	Novelty-Int. Decorative	S-1
Matchless	July 22	Nov. 12	Int. Pompon	S-2
Wh. Frieda	July 22	Nov. 15	Anemone	S-3
11 Week Varieties				
Sculpture	July 22	Nov. 15	Large Single	P-3
White Norma	July 22	Nov. 15	Large Anemone	S-1
Eskimo	July 22	Nov. 15	Int. Single	P-3
Lakme	July 22	Nov. 15	Small Pompon	S-1
Snowflurry	July 22	Nov. 15	Small Pompon	S-1
Seafoam	July 28	Nov. 20	Int. Pompon	S-2
**L. I. Beauty	July 25	Nov. 20	Large Anemone	S-3
Highbrow	July 25	Nov. 20	Int. Decorative	S-1
Nevada	July 25	Nov. 20	Int. Anemone	S-2
Priscilla	July 25	Nov. 20	Int. Pompon	S-3
Illini Bountiful	July 25	Nov. 23	Int. Decorative	S-1

**Also recommended for Pot Plants

Price Classification Translated on Page 24

*White Pompons, Decoratives
Singles & Anemones*

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
11 Week Varieties				
Crystal Beauty	July 28	Nov. 23	Int. Pompon	S-1
Paramount	July 25	Nov. 23	Int. Pompon	S-1
Belray	Aug. 5	Nov. 24	Large Pompon	S-1
12 Week Varieties				
Wh. Yuletide	Aug. 1	Nov. 25	Med. Pompon	S-3
**White Lady	Aug. 1	Nov. 25	Large Anemone	P-2
White Valencia	Aug. 1	Nov. 28	Large Single	S-1
Cordova	Aug. 5	Nov. 30	Int. Pompon	S-2
Fortune	July 28	Dec. 1	Int. Pompon	S-1
Monarch	July 28	Dec. 1	Int. Decorative	P-3
13 Week Varieties				
Wh. Enchantress (New)	Aug. 10	Dec. 5	Large Anemone	P-1
Cameo	Aug. 10	Dec. 5	Int. Decorative	S-3
Acclaim	Aug. 10	Dec. 5	Int. Pompon	P-3
Swan	Aug. 1	Dec. 5	Large Anemone	S-1
Spangles	Aug. 1	Dec. 5	Int. Pompon	S-1
Cotillion	Aug. 1	Dec. 5	Small Pompon	P-3
Snowdrop	Aug. 1	Dec. 8	Small Pompon	P-3
Carrara	Aug. 10	Dec. 8	Int. Decorative	P-2
Illini Starlet	Aug. 5	Dec. 10	Int. Anemone	P-1
Imp. White Supreme	Aug. 10	Dec. 10	Large Anemone	S-1
Snow Queen	Aug. 5	Dec. 10	Int. Pompon	P-3
Yukon	Aug. 10	Dec. 10	Int. Single	S-3
14 Week Varieties				
Trenton	Aug. 10	Dec. 15	Int. Pompon	P-1
Snowcrest	Aug. 10	Dec. 15	Small Pompon	S-2
Silversmith	Aug. 10	Dec. 15	Int. Decorative	S-2
Snowcap	Aug. 10	Dec. 15	Large Pompon	S-1
Garza	Aug. 5	Dec. 15	Int. Anemone	S-2
Satellite	Aug. 10	Dec. 15	Int. Pompon	P-3
Heirloom	Aug. 10	Dec. 20	Int. Decorative	S-1
15 Week Varieties				
Muto's White	Aug. 15	Dec. 25	Large Pompon	S-3
Revelation	Aug. 15	Dec. 25	Int. Decorative	S-3
Snow	Aug. 10	Dec. 25	Int. Pompon	S-3
Talmeda	Aug. 15	Jan. 5	Int. Pompon	P-1
Illini Snowbound	Aug. 15	Jan. 5	Int. Decorative	P-2

*Yellow Pompons, Decoratives
Singles & Anemones*

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
6 Week Varieties				
Yel. Chris. Columbus		Oct. 1	Int. Decorative	S-1
Moonlight		Oct. 1	Int. Decorative	P-2
Honeycomb		Oct. 1	Small Pompon	S-2
7 Week Varieties				
Polaris		Oct. 5	Int. Single	S-1
Chas. Nye		Oct. 5	Int. Decorative	S-2
Garland		Oct. 5	Int. Single	P-3
Yellow Spoon		Oct. 5	Int. Spoon	S-1
Lee Powell		Oct. 10	Large Decorative	P-2
Goldrush		Oct. 10	Small Single	S-1
Treasure		Oct. 10	Small Pompon	P-3
Bright Forecast		Oct. 10	Small Pompon	S-1
Lemonade		Oct. 12	Int. Decorative	S-1
Sweepstake		Oct. 12	Small Pompon	S-1
8 Week Varieties				
Yel. Irene	July 10	Oct. 15	Small Pompon	S-2
Arlora		Oct. 15	Int. Decorative	P-1

**Also recommended for Pot Plants

Price Classification Translated on Page 24

Yellow Pompoms, Decoratives

Singles & Anemones

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
8 Week Varieties				
Creampuff	July 5	Oct. 20	Int. Single	P-1
Moondrift	July 10	Oct. 20	Int. Single	P-2
Rodell Imp.	July 10	Oct. 20	Small Pompon	S-3
9 Week Varieties				
**Ordalia	July 12	Oct. 25	Large Decorative	P-1
Starlight	July 12	Oct. 25	Large Single	P-1
Golden Herald	July 20	Oct. 25	Large Decorative	S-3
Gold Coast	July 20	Oct. 25	Int. Pompon	S-3
Red Dot	July 20	Oct. 25	Med. Pompon	S-3
Yellow Dot	July 20	Oct. 25	Int. Pompon	S-3
Cream Dot	July 20	Oct. 25	Int. Pompon	S-3
Yel. Firebird	July 20	Oct. 25	Med. Decorative	S-2
Aztec	July 20	Oct. 28	Int. Single	P-1
Sunup	July 20	Oct. 28	Small Pompon	P-3
Yellow Arcadia	July 20	Oct. 28	Int. Pompon	S-2
Sauterne	July 20	Oct. 30	Int. Single	P-1
Gondola	July 20	Oct. 30	Int. Single	P-1
Mary Gold	July 20	Nov. 1	Med. Pompon	S-3
Mary Hall	July 20	Nov. 1	Int. Pompon	S-3
Yellow Halo	July 20	Nov. 1	Int. Single	P-2
Schn. Yel. Daisy	July 20	Nov. 1	Int. Single	S-1
Yellow Doty	July 15	Nov. 1	Large Pompon	S-2
Starbright	July 15	Nov. 1	Large Single	S-1
Yellow Daisy	July 20	Nov. 1	Int. Single	S-2
Yel. Sea Gull	July 20	Nov. 1	Int. Pompon	S-3
Yellow Cassandra	July 20	Nov. 1	Int. Pompon	S-1
Sunray	July 20	Nov. 3	Int. Single	S-3
Honeymoon	July 20	Nov. 4	Large Single	P-1
10 Week Varieties				
Barcarole	July 20	Nov. 5	Int. Pompon	S-2
Brigadoon	July 20	Nov. 5	Int. Single	P-3
Crescendo	July 25	Nov. 5	Large Pompon	S-1
Constellation	July 20	Nov. 5	Int. Decorative	S-3
Pixie	July 20	Nov. 5	Small Pompon	S-2
Nuggets	July 20	Nov. 5	Small Pompon	S-3
Golden Mensa	July 15	Nov. 5	Large Single	S-2
Yellow Shasta	July 25	Nov. 10	Large Anemone	S-3
Mason's Yellow	July 20	Nov. 10	Large Single	S-1
Yellow Nagona (Calif. Yel. Mensa)	July 20	Nov. 10	Int. Single	S-1
Lila Lily	July 25	Nov. 10	Med. Anemone	S-1
Ill. Gold Cup	July 25	Nov. 10	Large Pompon	S-1
Yel. Beauty	July 25	Nov. 10	Large Pompon	S-1
11 Week Varieties				
Princeton	July 28	Nov. 15	Int. Decorative	S-2
Thorobred	July 28	Nov. 15	Large Single	P-3
Golden Chord	July 28	Nov. 15	Int. Pompon	S-2
Forty-Niner	July 28	Nov. 15	Int. Pompon	S-2
Yellow Fellow	July 28	Nov. 15	Int. Decorative	S-2
Susanne Miller	July 28	Nov. 15	Large Anemone	S-1
Tacoma	July 28	Nov. 15	Large Pompon	P-2
Illini Brave	July 28	Nov. 16	Small Pompon	S-1
Yel. L. I. Beauty	Aug. 1	Nov. 20	Large Anemone	S-1
Yel. Highbrow	Aug. 1	Nov. 20	Int. Decorative	P-2
Lollipop	Aug. 1	Nov. 20	Int. Pompon	S-1
Pippin	Aug. 1	Nov. 20	Int. Pompon	P-3
Klondike	Aug. 1	Nov. 20	Int. Pompon	S-1
Bojangles	Aug. 1	Nov. 20	Int. Single	S-1
Yellow Nevada	July 25	Nov. 20	Int. Anemone	S-2
Illini Sunspot	Aug. 1	Nov. 20	Large Pompon	P-2
Yellow Paramount	Aug. 1	Nov. 23	Int. Pompon	P-1
Yellow Rolinda	Aug. 1	Nov. 23	Med. Anemone	S-3
12 Week Varieties				
Goldenrod	Aug. 5	Nov. 25	Int. Pompon	P-3
Illini Gold	Aug. 5	Nov. 25	Int. Pompon	S-2
Yellow Priscilla	Aug. 5	Nov. 25	Med. Decorative	S-1
Goldsmith	Aug. 5	Nov. 25	Large Decorative	S-2
Highlander	Aug. 5	Nov. 25	Int. Decorative	P-3

**Also recommended for Pot Plants

Price Classification Translated on Page 24

*Yellow Pompoms, Decoratives
Singles & Anemones*

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
12 Week Varieties				
Sunnyside	Aug. 5	Nov. 25	Int. Pompon	S-3
Champagne	July 28	Nov. 25	Int. Single	S-1
Yellow Valencia	Aug. 5	Nov. 28	Large Single	S-2
Golden Jane	Aug. 5	Nov. 28	Large Single	S-2
Yellow Cordova	Aug. 5	Nov. 30	Int. Pompon	S-2
Yellow Fortune	Aug. 5	Dec. 1	Int. Pompon	P-1
Omega	Aug. 5	Dec. 1	Int. Pompon	S-3
Nosegay	July 28	Dec. 1	Small Pompon	P-3
Yel. Galaxy	Aug. 5	Dec. 1	Int. Single	P-2
13 Week Varieties				
Yellow Acclaim (New)	Aug. 10	Dec. 5	Large Pompon	P-1
Golden Harvest	Aug. 1	Dec. 5	Small Pompon	S-1
Brandywine	Aug. 1	Dec. 5	Int. Decorative	P-3
Jack-Pot	Aug. 10	Dec. 5	Large Decorative	P-3
Symmetry	Aug. 10	Dec. 5	Int. Pompon	P-3
Yel. Swan	Aug. 1	Dec. 5	Large Anemone	S-1
Yellow Cameo	Aug. 10	Dec. 5	Int. Decorative	S-3
Yel. Spangles	Aug. 10	Dec. 5	Int. Pompon	P-2
Cinderella	Aug. 10	Dec. 5	Int. Single	S-1
Goldtone	Aug. 10	Dec. 5	Int. Single	S-1
Imp. Yel. Supreme	Aug. 10	Dec. 10	Large Anemone	S-1
Challenge	Aug. 5	Dec. 12	Int. Single	S-1
Corsair	Aug. 10	Dec. 12	Large Pompon	P-3
14 Week Varieties				
Yellow Snowcap	Aug. 10	Dec. 15	Large Pompon	P-1
Yellow Riviera	Aug. 10	Dec. 15	Int. Decorative	S-1
Cream Snowcrest	Aug. 15	Dec. 15	Small Pompon	P-2
Yel. Snowcrest	Aug. 5	Dec. 15	Small Pompon	P-3
Yel. Garza	Aug. 5	Dec. 15	Int. Anemone	S-2
Sequin	Aug. 5	Dec. 15	Small Pompon	S-1
Shamrock	Aug. 10	Dec. 15	Large Decorative	S-1
December Gold	Aug. 5	Dec. 15	Int. Decorative	S-2
Sunkist	Aug. 10	Dec. 20	Int. Single	S-1
Vibrant	Aug. 10	Dec. 20	Int. Decorative	S-3
Revelry	Aug. 10	Dec. 20	Int. Decorative	P-3
Gold Seal	Aug. 10	Dec. 20	Int. Single	P-2
Sunrise	Aug. 10	Dec. 20	Int. Pompon	P-3
Golden Anniversary	Aug. 10	Dec. 24	Small Pompon	S-1
Yellow Revelation	Aug. 15	Dec. 25	Med. Pompon	S-3
15 Week Varieties				
Siren	Aug. 15	Dec. 25	Int. Decorative	S-1
Yuleflame	Aug. 15	Dec. 25	Large Decorative	S-1
Yellow Snow	Aug. 10	Dec. 25	Int. Pompon	S-3
Ill. Yel. Snowbound	Aug. 15	Jan. 5	Int. Decorative	P-2

*Bronze & Red Pompoms
Decoratives, Singles & Anemones*

6 Week Varieties			
W. P. Snyder	Oct. 1	Int. Decorative	S-1
Marionette	Oct. 1	Small Pompon	S-1
Mogul	Oct. 1	Small Decorative	P-2
Bonfire	Oct. 1	Int. Pompon	S-1
7 Week Varieties			
Avalon	Oct. 5	Small Pompon	P-2
Mona	Oct. 5	Small Pompon	S-1
Huntsman	Oct. 5	Int. Decorative	S-1
Firecracker	Oct. 5	Int. Decorative	P-3
Buckeye	Oct. 8	Int. Pompon	P-1
Panorama	Oct. 8	Small Pompon	P-2
Red Velvet	Oct. 10	Int. Decorative	S-2

**Also recommended for Pot Plants

Price Classification Translated on Page 24

Bronze & Red Pompoms
Decoratives, Singles & Anemones

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
7 Week Varieties				
Bamboo		Oct. 10	Small Single	S-1
Blueblood		Oct. 10	Int. Decorative	P-3
Calico		Oct. 10	Small Single	S-1
Caravan		Oct. 10	Int. Decorative	P-3
Carmine Queen		Oct. 10	Small Pompon	S-1
Carnival		Oct. 10	Small Pompon	S-1
Fireside		Oct. 10	Int. Decorative	S-1
Nokomis		Oct. 12	Int. Decorative	S-1
Fashion		Oct. 12	Med. Decorative	P-3
Nocturne		Oct. 12	Small Pompon	S-1
Nytoda		Oct. 12	Int. Single	P-2
Carmelita		Oct. 12	Int. Decorative	S-1
Witchery		Oct. 12	Int. Decorative	S-1
Mrs. Du Pont		Oct. 12	Large Decorative	S-1
Admiral		Oct. 12	Int. Decorative	P-3
Moonmaid		Oct. 14	Int. Pompon	P-1
8 Week Varieties				
Robinhue		Oct. 15	Int. Decorative	S-1
Red Glow		Oct. 15	Int. Decorative	S-1
Cocktail		Oct. 15	Int. Pompon	P-3
Rajah	July 15	Oct. 15	Int. Single	P-3
Detroiter	July 15	Oct. 15	Small Pompon	S-1
James Stewart	July 15	Oct. 15	Small Pompon	S-1
Talisman	July 15	Oct. 20	Int. Single	P-1
Adelaide	July 15	Oct. 20	Small Pompon	S-3
Paradise	July 15	Oct. 20	Int. Single	P-1
Jemima	July 15	Oct. 20	Large Pompon	S-3
Pallette	July 15	Oct. 20	Int. Single	P-1
Br. Mary McArthur	July 20	Oct. 23	Small Pompon	S-1
9 Week Varieties				
Bonton	July 20	Oct. 25	Med. Pompon	S-2
Gaiety	July 20	Oct. 25	Int. Single	P-1
Firebird	July 20	Oct. 25	Int. Decorative	S-2
Bronze Dot	July 14	Oct. 25	Int. Pompon	S-3
Oct. Bronze	July 20	Oct. 28	Med. Single	S-2
Buckskin	July 20	Oct. 25	Int. Single	S-1
**Hilarity	July 25	Nov. 1	Int. Single	P-1
Seneca	July 14	Nov. 1	Int. Decorative	S-2
Firefly	July 14	Nov. 1	Int. Pompon	S-1
Bronze Daisy	July 15	Nov. 1	Int. Single	S-2
Imp. Br. Daisy (Katoka Red)	July 15	Nov. 1	Int. Single	S-1
Buccaneer	July 25	Nov. 1	Int. Single	P-3
Red Seneca	July 25	Nov. 1	Int. Decorative	S-1
Br. Buckingham	July 20	Nov. 1	Int. Single	S-1
Navaho	July 25	Nov. 1	Int. Pompon	S-2
Red Daisy	July 15	Nov. 1	Int. Single	S-2
Imp. Red Raisy (Adachi Red)	July 15	Nov. 1	Int. Single	S-1
10 Week Varieties				
Comanche	July 25	Nov. 5	Int. Pompon	S-1
Flame Glow	July 25	Nov. 5	Int. Single	P-1
Orange Beauregard	July 25	Nov. 5	Int. Pompon	P-1
Beauregard	July 25	Nov. 5	Int. Pompon	S-1
Butterscotch	July 20	Nov. 5	Int. Pompon	S-1
Cassandra	July 20	Nov. 5	Int. Pompon	S-2
Red Rust	July 25	Nov. 5	Int. Decorative	S-2
Rubicon	July 25	Nov. 5	Int. Decorative	S-2
Magician	July 20	Nov. 5	Large Pompon	S-1
Bittersweet	July 25	Nov. 5	Int. Single	S-2
**Gypsy	July 25	Nov. 8	Small Anemone	S-3
Samovar	July 20	Nov. 10	Int. Pompon	S-1
Sylvanna	July 19	Nov. 10	Int. Single	S-2
Chanticleer	July 20	Nov. 10	Large Pompon	S-1
Mason's Bronze	July 19	Nov. 10	Large Single	S-1
Mason's Red	July 19	Nov. 10	Large Single	S-1
Chevron	July 25	Nov. 10	Int. Decorative	S-1
The Titan	July 25	Nov. 10	Large Anemone	S-2
Bronze Thyra	July 20	Nov. 10	Int. Pompon	S-1

**Also recommended for Pot Plants

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Bronze & Red Pompoms
Decoratives, Singles & Anemones

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
10 Week Varieties				
Illini Burma	July 25	Nov. 10	Large Pompon	P-3
Europa	July 19	Nov. 10	Large Single	S-1
**Copperhead	July 25	Nov. 10	Large Decorative	S-1
Br. Linda Lou	July 25	Nov. 10	Int. Anemone	S-1
Br. Tuxedo	July 19	Nov. 10	Large Anemone	S-1
Gold Braid	July 20	Nov. 12	Int. Pompon	P-3
Illini Rye	July 25	Nov. 12	Int. Pompon	P-3
Br. Masterpiece	July 25	Nov. 12	Int. Pompon	S-3
**Dk. Br. Masterpiece	July 25	Nov. 12	Int. Pompon	S-2
Paragon	July 25	Nov. 12	Large Pompon	S-1
Illini Tangier	July 25	Nov. 12	Large Decorative	P-2
**Red King	July 25	Nov. 13	Int. Single	P-1
**Cadet	July 25	Nov. 14	Int. Anemone	P-1
11 Week Varieties				
Mrs. Dewey	July 28	Nov. 15	Large Single	S-1
Shalimar	July 28	Nov. 15	Int. Anemone	P-3
Red Princeton	July 28	Nov. 15	Int. Decorative	S-2
Illini Honey	July 28	Nov. 15	Small Pompon	S-1
Illini Redhead	July 28	Nov. 17	Small Pompon	S-1
Illini Warrior	Aug. 1	Nov. 20	Int. Pompon	S-1
Legal Tender	Aug. 1	Nov. 20	Int. Decorative	S-3
Rusticon	July 25	Nov. 20	Int. Pompon	S-2
Thelma	Aug. 1	Nov. 20	Int. Pompon	P-3
Bourbon	July 25	Nov. 20	Int. Single	S-1
Carousel	July 25	Nov. 23	Int. Single	S-1
Festival	July 25	Nov. 23	Int. Single	S-1
Br. Minuet	July 28	Nov. 23	Int. Pompon	S-2
**Red Rolinda	July 25	Nov. 23	Int. Anemone	S-3
12 Week Varieties				
Illini Redwood	Aug. 5	Nov. 25	Int. Pompon	P-1
Br. Goldsmith	Aug. 1	Nov. 25	Large Decorative	S-2
Wanakah	July 28	Nov. 25	Int. Single	P-2
Falcon	July 28	Nov. 25	Int. Pompon	S-1
Yolanda	Aug. 1	Nov. 25	Int. Anemone	S-1
Indian Head	July 28	Nov. 28	Large Single	S-1
Apricot Valencia	Aug. 1	Nov. 28	Large Single	S-2
Crimson Valencia	July 28	Nov. 28	Large Single	S-1
Amberina	Aug. 1	Dec. 1	Int. Decorative	P-3
Galaxy	Aug. 1	Dec. 1	Int. Single	S-1
13 Week Varieties				
Dazzler	Aug. 1	Dec. 5	Int. Single	P-3
Br. Enchantress	Aug. 5	Dec. 5	Large Anemone	S-2
Debonair	Aug. 10	Dec. 5	Large Pompon	S-2
Mahogany Viking	Aug. 1	Dec. 5	Int. Decorative	S-1
Imp. Br. Supreme	Aug. 10	Dec. 10	Large Anemone	S-1
Br. Supreme	Aug. 10	Dec. 10	Large Anemone	S-1
Red Supreme	Aug. 5	Dec. 10	Large Anemone	S-1
Harlequin	Aug. 10	Dec. 10	Int. Decorative	P-3
Holiday	Aug. 5	Dec. 10	Int. Single	S-1
Cavalcade	Aug. 10	Dec. 10	Med. Pompon	S-1
Pageantry	Aug. 4	Dec. 10	Int. Pompon	S-1
Christmas Star	Aug. 10	Dec. 12	Int. Single	S-2
Br. Minstrel	Aug. 10	Dec. 13	Int. Pompon	S-1
Dk. Br. Minstrel	Aug. 5	Dec. 13	Int. Pompon	P-2
14 Week Varieties				
Bronze Riviera	Aug. 15	Dec. 15	Int. Decorative	S-1
Claret	Aug. 5	Dec. 15	Int. Single	P-3
Topaz	Aug. 15	Dec. 15	Large Single	P-3
Christmas Greeting	Aug. 15	Dec. 15	Int. Decorative	S-1
Sarong	Aug. 5	Dec. 15	Int. Single	S-2
Merrymaker	Aug. 15	Dec. 20	Int. Single	S-1
Poinsettia	Aug. 15	Dec. 20	Large Single	P-3

**Also recommended for Pot Plants

Price Classification Translated on Page 24

Pink Pompoms, Decoratives

Singles & Anemones

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
6 Week Varieties				
Early Wonder		Oct. 1	Int. Pompon	S-2
Spellbound		Oct. 1	Int. Decorative	S-2
7 Week Varieties				
Petrisian Mauve		Oct. 5	Int. Pompon	P-0
Petrisian Pink		Oct. 5	Int. Pompon	P-0
Petrisian Rose		Oct. 5	Int. Pompon	P-0
Courtier		Oct. 10	Int. Decorative	P-3
Dream Girl		Oct. 10	Int. Pompon	S-1
Ponca		Oct. 10	Small Decorative	S-1
Argonne		Oct. 10	Int. Pompon	S-1
Lassie		Oct. 10	Int. Decorative	P-3
Serenade		Oct. 10	Int. Single	S-1
Orchid Spoon		Oct. 10	Int. Spoon	S-1
Joybringer		Oct. 10	Int. Pompon	S-1
Brigadier		Oct. 10	Int. Decorative	P-2
Sweetheart		Oct. 10	Int. Single	S-1
Allegro		Oct. 12	Small Decorative	S-2
Masquerade		Oct. 12	Small Pompon	S-1
Ronnie		Oct. 12	Small Pompon	S-1
Salute		Oct. 12	Small Single	S-1
Adagio		Oct. 12	Int. Pompon	S-1
Lavender Lady		Oct. 12	Int. Decorative	S-1
Sonnet		Oct. 14	Int. Pompon	P-1
Betty		Oct. 14	Int. Decorative	S-1
8 Week Varieties				
Fairyland		Oct. 15	Int. Decorative	P-1
Mayfair		Oct. 15	Int. Single	P-1
Jester		Oct. 15	Int. Single	P-1
Citation		Oct. 15	Int. Pompon	P-1
Enterprise		Oct. 15	Int. Pompon	P-2
Eliz. Hood		Oct. 15	Int. Pompon	P-2
Jewell	July 15	Oct. 15	Small Pompon	S-2
Dk. Jewel	July 15	Oct. 15	Small Pompon	S-2
Mirth	July 15	Oct. 20	Int. Single	P-1
Carolyn Yosick	July 15	Oct. 20	Int. Pompon	S-3
Pink Sprite	July 18	Oct. 23	Small Pompon	S-1
Mary McArthur	July 14	Oct. 23	Small Pompon	S-1
Capt. Cook	July 18	Oct. 23	Med. Pompon	S-3
Prelude	July 20	Oct. 24	Int. Single	P-1
9 Week Varieties				
Pinkette	July 20	Oct. 25	Int. Pompon	P-1
Vogue	July 20	Oct. 25	Large Single	P-1
Edith Roberts	July 15	Oct. 25	Small Pompon	S-1
Reward	July 20	Oct. 25	Int. Single	S-1
Pink Dot	July 20	Oct. 25	Int. Pompon	S-3
Jessie	July 20	Oct. 25	Int. Pompon	S-3
Betty Rose	July 15	Oct. 25	Large Anemone	S-1
Oct. Pink	July 20	Oct. 25	Int. Single	S-2
**Portrait	July 20	Nov. 1	Large Decorative	P-1
Bluechip	July 20	Nov. 1	Int. Decorative	P-1
Pk. Calif. Daisy (W. H. Buckingham)	July 20	Nov. 1	Int. Single	S-1
Rainbow	July 20	Nov. 1	Int. Single	P-2
Ballerina	July 20	Nov. 1	Int. Single	S-1
Lillian Doty	July 20	Nov. 1	Large Pompon	S-2
Arbutus	July 20	Nov. 1	Int. Pompon	P-2
Lotus	July 20	Nov. 3	Int. Pompon	P-1
Tempo	July 20	Nov. 3	Int. Decorative	P-1
10 Week Varieties				
Dreamboat	July 22	Nov. 5	Int. Pompon	S-2
Dark Bulkeley	July 20	Nov. 8	Int. Pompon	S-1
Pennant	July 25	Nov. 10	Int. Decorative	P-1
**Cover Girl	July 25	Nov. 10	Int. Anemone	P-1
Nobility	July 25	Nov. 10	Int. Single	P-1
Pandora	July 25	Nov. 10	Large Decorative	P-3

**Also recommended for Pot Plants

Price Classification Translated on Page 24

*Pink Pompoms, Decoratives
Singles & Anemones*

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
10 Week Varieties				
**Thyra	July 25	Nov. 10	Int. Pompon	S-3
Soprano	July 20	Nov. 10	Large Single	S-1
Linda Lou	July 25	Nov. 10	Int. Anemone	S-3
Dark Linda Lou	July 25	Nov. 10	Int. Anemone	S-3
Tuxedo	July 20	Nov. 10	Large Anemone	S-1
Miss Clarinda	July 25	Nov. 11	Med. Pompon	P-3
**Masterpiece	July 25	Nov. 12	Int. Pompon	S-3
Rose Masterpiece	July 25	Nov. 12	Int. Pompon	S-2
Salmon Masterpiece	July 25	Nov. 12	Int. Pompon	S-2
Memorial	July 25	Nov. 12	Int. Anemone	P-3
Taffeta	July 25	Nov. 12	Int. Decorative	S-1
11 Week Varieties				
Carole	July 25	Nov. 15	Int. Anemone	P-1
Dark Norma	July 25	Nov. 15	Large Anemone	S-1
Orchid Beauty	July 25	Nov. 15	Int. Anemone	S-2
Brocade	July 22	Nov. 15	Int. Single	S-3
Frieda	July 25	Nov. 15	Large Anemone	S-3
**Polka	July 25	Nov. 20	Int. Anemone	P-1
Nugano	July 25	Nov. 20	Int. Pompon	P-1
Grand Slam	July 28	Nov. 20	Large Single	P-3
Almega	July 28	Nov. 20	Large Pompon	P-2
Vivacious Lady	July 25	Nov. 20	Int. Spoon	P-3
Evening Star	July 28	Nov. 20	Int. Anemone	P-3
Pink L. I. Beauty	July 28	Nov. 20	Large Anemone	S-1
Pinky	July 25	Nov. 20	Int. Decorative	S-1
Dk. L. I. Beauty	July 28	Nov. 20	Large Anemone	P-2
Dk. Pk. Majorette	July 28	Nov. 20	Int. Anemone	P-1
**Majorette	July 28	Nov. 20	Int. Anemone	S-1
Minuet	Aug. 1	Nov. 23	Int. Pompon	S-2
Illini Formal	Aug. 28	Nov. 23	Int. Pompon	P-1
12 Week Varieties				
Pink Cloud	Aug. 1	Nov. 25	Int. Decorative	P-1
Princess	Aug. 1	Nov. 25	Small Pompon	P-3
Hasegawa Pink	Aug. 1	Nov. 25	Int. Single	S-1
**Beautiful Lady	Aug. 1	Nov. 25	Large Anemone	S-3
Valencia	Aug. 1	Nov. 28	Large Single	S-2
Dark Valencia	Aug. 1	Nov. 28	Large Single	S-2
Dubonnet Valencia	Aug. 1	Nov. 28	Large Single	P-2
Orchid Valencia	Aug. 1	Nov. 28	Large Single	P-3
Salmon Valencia	Aug. 1	Nov. 28	Large Single	P-3
Heritage	Aug. 5	Dec. 1	Int. Pompon	P-3
13 Week Varieties				
Enchantress	Aug. 5	Dec. 5	Large Anemone	S-2
Dark Enchantress	Aug. 1	Dec. 5	Large Anemone	S-1
Argyle	Aug. 10	Dec. 10	Small Pompon	P-1
Debutante	Aug. 10	Dec. 10	Int. Single	S-1
Imp. Dk. Supreme	Aug. 10	Dec. 10	Large Anemone	S-1
Minstrel	Aug. 15	Dec. 13	Int. Pompon	S-1
Lt. Pk. Minstrel	Aug. 15	Dec. 13	Int. Pompon	P-2
14 Week Varieties				
Riviera	Aug. 10	Dec. 15	Int. Decorative	S-3
Dk. Riviera	Aug. 10	Dec. 15	Med. Decorative	S-3
Serrated Riviera	Aug. 10	Dec. 15	Int. Decorative	P-2
Coronet	Aug. 15	Dec. 15	Int. Single	S-1
Rosalind	Aug. 15	Dec. 20	Int. Single	S-3
Defiance	Aug. 15	Dec. 20	Int. Decorative	S-1
Medallion	Aug. 15	Dec. 20	Int. Pompon	S-1
Rose Medallion	Aug. 15	Dec. 20	Int. Pompon	P-2
Pk. Treas. Is.	Aug. 15	Dec. 20	Med. Decorative	S-3

**Also recommended for Pot Plants

Price Classification Translated on Page 24

White Standards

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
8 Week Varieties				
Silver Sheen	July 10	Oct. 20	Int. Incurved	S-3
White Chief	July 10	Oct. 20	Int. Incurved	S-1
**Christina	July 12	Oct. 23	Small Incurved	S-1
9 Week Varieties				
Nightingale	July 20	Oct. 25	Spider-Chartreuse Ctr.	S-2
**Granite State	July 20	Oct. 25	Small Semi-Incurved	S-3
Ambassador	July 20	Oct. 25	Int. Semi-Incurved	S-2
**Wilson's White	July 20	Nov. 1	Int. Incurved	P-3
Albatross	July 20	Nov. 1	Int. Incurved	S-2
Snow White	July 20	Nov. 1	Large Incurved	S-3
10 Week Varieties				
Betsy Ross	July 20	Nov. 5	Large Incurved	S-3
Giant Betsy Ross	July 20	Nov. 5	Large Incurved	S-2
**Ind. White	July 20	Nov. 5	Int. Incurved	S-3
**Richard Mandel	July 20	Nov. 5	Small Incurved	S-2
Jean Elizabeth	July 25	Nov. 10	Large Semi-Incurved	S-2
Crystal Queen	July 25	Nov. 10	Large Semi-Incurved	P-2
White Pockett	July 20	Nov. 10	Large Incurved	S-1
Monument	July 25	Nov. 10	Int. Incurved	S-2
11 Week Varieties				
Sterling	July 25	Nov. 15	Large Incurved	S-1
**Marketeer	July 28	Nov. 18	Int. Semi-Incurved	S-3
Mefo	July 28	Nov. 20	Large Incurved	S-3
**White Frick	July 28	Nov. 20	Int. Incurred	S-2
Indiana Market	July 28	Nov. 20	Int. Incurred	S-1
12 Week Varieties				
Chattanooga	Aug. 1	Nov. 25	Large Incurred	S-3
December Glory	Aug. 5	Dec. 1	Int. Incurred	S-2
**Margaret Moeller	Aug. 5	Dec. 3	Int. Incurred	S-3
13 Week Varieties				
December White	Aug. 5	Dec. 5	Int. Incurred	S-2
White Mistletoe	Aug. 5	Dec. 5	Int. Incurred	S-2
Snowline	Aug. 5	Dec. 10	Large Incurred	S-1
Smith's White	Aug. 10	Dec. 13	Int. Semi-Incurved	S-2

Yellow Standards

	8 Week Varieties		
Buttercup (H) (New)	July 15	Oct. 15	Large Incurred
**Gold Lode	July 15	Oct. 15	Int. Reflexed
Celestra	July 15	Oct. 15	Small Semi-Incurved
Harvest Golden	July 15	Oct. 15	Med. Incurred
**Mrs. Kidder	July 15	Oct. 20	Int. Incurred
Butterball	July 10	Oct. 20	Int. Incurred
**Blazing Gold	July 20	Oct. 23	Int. Semi-Incurved
	9 Week Varieties		
**Smith's Superlative	July 15	Oct. 25	Int. Semi-Incurved
Yellow Ambassador	July 20	Oct. 25	Int. Semi-Incurved
**Yellow Bergen	July 15	Oct. 25	Int. Incurred
**Sunglow	July 20	Oct. 25	Int. Incurred
**Golden Glory	July 20	Nov. 1	Int. Incurred
Good News	July 20	Nov. 1	Int. Incurred
	10 Week Varieties		
Imp. Ind. Yellow	July 25	Nov. 5	Int. Incurred
**Ind. Yellow	July 25	Nov. 5	Int. Incurred
**Dk. Ind. Yel. (Pots)	July 25	Nov. 5	Int. Incurred
Yellow Queen	July 25	Nov. 10	Large Semi-Incurved
Jamboree	July 25	Nov. 10	Int. Incurred
**Yellow Beauty	July 25	Nov. 10	Small Incurred
Yellow Pockett	July 20	Nov. 10	Large Incurred
Yellow Monument	July 25	Nov. 10	Int. Incurred
**Honey Dew	July 22	Nov. 12	Int. Incurred

**Also recommended for Pot Plants

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Yellow Standards

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
11 Week Varieties				
**Yellow Marketeer	July 25	Nov. 18	Int. Semi-Incurved	P-2
**Bonnaffon Deluxe	July 25	Nov. 20	Small Incurved	S-3
**Friendly Rival	July 25	Nov. 20	Int. Incurved	S-2
Yellow Mefo	July 25	Nov. 20	Large Incurved	S-3
Cream Mefo	July 25	Nov. 20	Large Incurved	S-2
**Purdue	July 25	Nov. 20	Int. Incurved	S-1
Harvester	July 28	Nov. 23	Int. Incurved	S-3
**Marie DePetris	July 28	Nov. 23	Int. Incurved	S-2
12 Week Varieties				
Dk. Yel. Chattanooga	July 28	Nov. 25	Large Incurved	P-1
Yellow Chattanooga	July 28	Nov. 25	Large Incurved	S-3
Golden Pearson	Aug. 1	Nov. 25	Int. Incurved	S-3
Mrs. Calkins	Aug. 1	Nov. 25	Int. Semi-Incurved	S-1
**Sungold	Aug. 1	Nov. 25	Int. Incurved	S-2
Golden Mrs. Ross	Aug. 1	Dec. 3	Large Incurved	S-3
**Yellow Moeller	Aug. 1	Dec. 3	Int. Incurved	S-1
13 Week Varieties				
Golden Mistletoe	Aug. 10	Dec. 5	Int. Incurved	S-2
Chalice	Aug. 10	Dec. 5	Int. Incurved	P-3
Tobin's Yellow	Aug. 10	Dec. 13	Int. Semi-Incurved	S-2
Meteore	Aug. 10	Dec. 13	Int. Semi-Incurved	S-2
**Dauntless	Aug. 23	Dec. 13	Small Semi-Incurved	S-1

Bronze & Red Standards

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
8 Week Varieties				
Chopin (New)	July 15	Oct. 15	Large Incurved	P-0
Mayford's Triumph	July 15	Oct. 15	Med. Incurved	S-1
Amber Bright	July 15	Oct. 15	Med. Incurved	S-1
9 Week Varieties				
**Hilda Bergen	July 15	Oct. 25	Int. Incurved	S-2
**Glitters	July 20	Oct. 28	Int. Reflexed	S-2
**Red Glitters	July 15	Oct. 28	Int. Reflexed	S-2
Ivanhoe	July 15	Nov. 1	Small Incurved	S-2
**Apricot Queen	July 20	Nov. 1	Int. Incurved	S-2
Detroit News	July 20	Nov. 1	Int. Incurved	S-2
**Royal Bronze	July 15	Nov. 1	Small Semi-Incurved	P-2
10 Week Varieties				
**Ind. Bronze	July 25	Nov. 5	Int. Incurved	S-3
**Ind. Golden Bronze	July 25	Nov. 5	Quilled; Semi-Incurved	P-3
**Dk. Ind. Bronze	July 25	Nov. 5	Int. Incurved	P-2
Anaconda	July 25	Nov. 8	Large Incurved	S-2
Oakdale	July 20	Nov. 10	Int. Incurved	S-1
Br. Orchid Queen	July 25	Nov. 10	Large Semi-Incurved	S-2
Mrs. Stahelin	July 20	Nov. 10	Int. Incurved	S-1
Mrs. Roy	July 25	Nov. 13	Int. Incurved	S-1
Garnet King	July 25	Nov. 13	Int. Reflexed	S-2
11 Week Varieties				
Br. Frick	Aug. 1	Nov. 20	Int. Incurved	S-2
12 Week Varieties				
Gladys Pearson	Aug. 1	Nov. 25	Int. Incurved	S-3
Oak Leaf	Aug. 1	Nov. 25	Int. Incurved	S-3
**Muto's Crimson	Aug. 1	Dec. 1	Int. Semi-Incurved	S-1
13 Week Varieties				
Bronze Mistletoe	Aug. 5	Dec. 5	Int. Incurved	S-2

Pink Standards

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
8 Week Varieties				
Pink Chief	July 15	Oct. 15	Int. Incurved	S-3
Maj. Bowes	July 15	Oct. 15	Med. Incurved	S-3
9 Week Varieties				
Sugarplum	July 15	Nov. 1	Int. Incurved	S-1

**Also recommended for Pot Plants

Price Classification Translated on Page 24

Pink Standards

Variety	Normal Pinch Date	Flowering Date	Description	Price Classification
10 Week Varieties				
J. W. Prince	July 22	Nov. 5	Int. Incurred	S-2
**Ind. Pink	July 22	Nov. 5	Int. Incurred	S-3
Orchid Queen	July 22	Nov. 10	Large Semi-Incurved	S-2
Lavender Queen	July 20	Nov. 10	Large Semi-Incurved	S-1
Dk. Orchid Queen	July 22	Nov. 10	Large Semi-Incurved	S-2
**Queen of Pinks	July 20	Nov. 10	Large Semi-Incurved	S-3
Pink Pockett	July 20	Nov. 10	Small Incurred	S-1
			Large Incurred	S-1
11 Week Varieties				
Aristocrat	July 25	Nov. 20	Large Incurred	S-2
**Helen Frick	July 25	Nov. 20	Int. Incurred	S-2
Rose Delight	July 25	Nov. 20	Med. Incurred	S-1
Thanks. Pink	July 28	Nov. 23	Int. Reflexed	S-3
Ed. Seidewitz	July 28	Nov. 23	Int. Incurred	S-2
13 Week Varieties				
Pink Mistletoe	Aug. 5	Dec. 5	Int. Incurred	S-2

Spider Types

**Queens Lace	July 15	Nov. 1	White	S-1
Kay Tashima	July 20	Nov. 1	White	S-1
White Rayonnante	July 20	Nov. 5	White	S-2
Moribana	July 15	Oct. 25	Yellow	P-2
**Yellow Lace	July 15	Nov. 1	Yellow	S-1
**Gold Lace	July 15	Nov. 1	Yellow	P-2
**Hooked Yellow Lace	July 15	Nov. 1	Yellow	P-2
Yellow Rayonnante	July 20	Nov. 5	Yellow	S-1
Lorraine	July 22	Nov. 15	Yellow	S-1
Dalwin	July 15	Oct. 25	Lt. Bronze	P-2
Waikiki	July 20	Nov. 5	Apricot Bronze	S-1
Gena Harwood	July 20	Nov. 5	Buff Bronze	S-1
Nomago	July 20	Nov. 5	Bronze	P-3
Mamoru	July 20	Nov. 5	Buff Bronze	S-2
Mrs. Walker	July 15	Nov. 1	Deep Lavender	S-1
Mary Garden	July 15	Nov. 1	Pink	S-1
Rayonnante	July 20	Nov. 5	Pink	S-2
Peggy Hoover	July 20	Nov. 10	Pink	S-1
Sue Sally Jones	July 25	Nov. 5	Lemon	S-1
Bunbu	July 20	Nov. 1	Lavender	S-2

**Also recommended for Pot Plants

Price Classification Translated on Page 24

VARIETIES BEST SUITED FOR POT CULTURE

Pacesetter	Granite State	Friendly Rival
Little America	Wilson's White	Purdue
L. I. Beauty	Ind. White	Marie DePetris
White Lady	Richard Mandel	Sungold
Ordalia	Marketeer	Yellow Moeller
Hilarity	White Frick	Dauntless
Gypsy	Margaret Moeller	Hilda Bergen
Copperhead	Gold Lode	Glitters
Dk. Br. Masterpiece	Mrs. Kidder	Red Glitters
Red King	Blazing Gold	Apricot Queen
Cadet	Smith's Superlative	Royal Bronze
Red Rolinda	Yellow Bergen	Ind. Bronze
Portrait	Sunglow	Ind. Golden Bronze
Cover Girl	Golden Glory	Dk. Ind. Bronze
Thyra	Ind. Yellow	Muto's Crimson
Masterpiece	Dk. Ind. Yel. (Pots)	Ind. Pink
Polka	Yellow Beauty	Queen of Pinks
Majorette	Honey Dew	Helen Frick
Beautiful Lady	Yellow Marketeer	Queens Lace
Christina	Bonnaffon Deluxe	Yellow Lace
Gold Lace	Hooked Yellow Lace	

For further information on above pot varieties refer to Index for page numbers listing complete information.

Garden Varieties

SYMBOLS: (L) LARGE — (D) DECORATIVE — (P) POM — (C) CUSHION
(S) SINGLE — (B) BUTTON — (C-F) CARNATION FLOWERED

* RECOMMENDED FOR MOTHER'S DAY POT PLANTS
PINCHED AND SHORT DAY TREATMENT SAME DAY

D VARIETIES RECOMMENDED AS BETTER WHEN DISBUDDED

Variety	Size & Type	Color	Height	Matures	Price 50 Only
WHITE					
Osage	(D)	White	Med.	Sept. 5	7.50
Candlelight	(D)	Ivory	Med.	Sept. 5	3.00
D. D. Ahrens	(D)	White	Tall	Sept. 10	3.00
Paper White	(D)	White	Med.	Sept. 10	3.50
*Chris Columbus	(LD)	Cream	Tall	Sept. 15	3.50
Wh. Cushion	(C)	White	Short	Sept. 15	3.00
*Calcite	(D)	Cream	Med.	Sept. 15	3.00
Drifted Snow	(D)	Cream	Med.	Sept. 15	3.00
Powder Puff (Cushion)	(D)	White	Short	Sept. 15	3.50
Polar Ice	(LD)	White	Med.	Sept. 15	3.50
*Wh. Bounty	(B)	White	Tall	Sept. 15	3.50
D Wh. Tower	(LP)	Cream	Tall	Sept. 15	3.25
Wh. Wonder	(LP)	Ivory	Med.	Sept. 25	3.25
*Shalimar (H)	(LP)	Cream	Tall	Sept. 25	4.00
Ostosa (New)	(LP)	White	Short	Sept. 25	7.50
Wh. Cloud	(D)	White	Tall	Sept. 25	3.50
*Pepita	(B)	White	Med.	Sept. 28	3.50
Snow Fall	(D)	White	Med.	Oct. 1	3.50
Ermine	(D)	Ivory	Med.	Oct. 1	3.50
Spindrift	(LD)	White	Med.	Oct. 1	5.00
Winterset (H)	(LD)	White	Med.	Oct. 5	3.25
Limelight (New)	(P)	White	Med.	Oct. 5	7.50
*Lyric	(S)	White	Short	Oct. 5	4.00
Avalanche	(LD)	Cream	Tall	Oct. 5	3.25
*Horizon	(P)	White	Med.	Oct. 5	4.00
Youdath's Wh.	(LD)	White	Med.	Oct. 5	3.00
*Monogram	(S)	White	Short	Oct. 5	3.50
Snow Elf	(P)	White	Med.	Oct. 8	3.50
*Classic	(B)	White	Tall	Oct. 10	3.50
*Maestro	(P)	White	Short	Oct. 10	3.50
*Renown	(S)	White	Med.	Oct. 10	3.50
Wh. Spoon	(Spoon)	White	Med.	Oct. 10	3.00
*Silverplate	(D)	White	Med.	Oct. 12	3.50
Silver Ball	(P)	White	Tall	Oct. 15	3.00
Irene	(B)	White	Med.	Oct. 15	3.25
Norona	(SP)	White	Med.	Oct. 15	4.00
YELLOW					
Pathfinder	(C-F)	Lemon	Med.	Aug. 28	7.50
Butterball (H)	(P)	Golden	Short	Sept. 1	3.50
*Early Gold	(P)	Golden	Short	Sept. 5	3.50
Golden Hours	(P)	Chrome Yel.	Med.	Sept. 8	3.25
Genista	(P)	Canary	Med.	Sept. 12	6.25
Yel. Supreme (H)	(C)	Brt. Lemon	Short	Sept. 15	3.00
*Pomponette	(P)	Golden	Short	Sept. 15	3.00
Yel. Cushion	(C)	Light Yellow	Short	Sept. 15	3.00
Sunapee	(P)	Deep Lemon	Tall	Sept. 15	3.25
*Yel. Chris Columbus	(LD)	Brt. Lemon	Med.	Sept. 15	3.50
Yel. Avalanche	(LD)	Lt. Lemon	Tall	Sept. 15	3.25
*Early Yellow	(B)	Dp. Lemon	Short	Sept. 15	3.00
Defiance (H)	(D)	Golden	Tall	Sept. 15	3.50
Golden Carpet	(P)	Golden	Short	Sept. 15	4.00
Bowl O'Gold (Cushion)	(P)	Canary	Short	Sept. 15	7.50
*D Ming	(P)	Orange Yel.	Med.	Sept. 18	4.50
*Sept. Sunshine	(S)	Brt. Lemon	Med.	Sept. 20	3.25
Wychwood	(LP)	Canary	Med.	Sept. 20	3.25
Canary Wonder	(P)	Canary	Med.	Sept. 25	4.00
Chas. Nye	(LP)	Dp. Lemon	Tall	Sept. 25	3.25
Honeycomb	(P)	Golden	Med.	Sept. 25	3.25
*Moonlight (DePetris)	(D)	Brt. Yel.	Med.	Sept. 25	4.50
Lee Powell	(LD)	Chinese Yel.	Tall	Sept. 25	4.50
Tangerine	(LD)	Dp. Orange	Med.	Sept. 25	3.25
Flaxen Beauty	(LD)	Light Lemon	Med.	Oct. 1	4.50
King Midas	(LD)	Lemon	Med.	Oct. 1	3.00
*Chiquita	(B)	Deep Lemon	Med.	Oct. 1	3.25
James Eadie	(LP)	Deep Chrome	Tall	Oct. 5	3.25
Garland	(S)	Lemon	Short	Oct. 5	4.00

Note: Above prices are for 50 cuttings. Prices for larger quantities on page 24.

Garden Varieties

Variety	Size & Type	Color	Height	Matures	Price 50 Only
YELLOW					
Polaris	(S)	Golden Buff	Med.	Oct. 5	3.50
Vanguard	(LP)	Golden	Med.	Oct. 5	4.00
*D Mrs. Rotan	(LD)	Deep Chrome	Med.	Oct. 5	3.25
Dwight Douglas	(LD)	Golden Yel.	Med.	Oct. 5	6.25
Sunstone (New)	(Spoon)	Light Yel.	Tall	Oct. 8	7.50
*Yel. Spoon	(Spoon)	Light Yel.	Med.	Oct. 10	3.50
Treasure	(P)	Golden	Tall	Oct. 10	4.00
Golden Spoon	(Spoon)	Golden	Med.	Oct. 10	3.00
*Yel. Blanket	(B)	Brt. Lemon	Med.	Oct. 10	3.25
Bright Forecast	(P)	Brt. Lemon	Med.	Oct. 10	3.50
*Goldrush	(S)	Lemon	Med.	Oct. 10	3.50
Sweepstake	(P)	Lemon	Med.	Oct. 12	3.50
*Lemonade	(P)	Ivory Yel.	Med.	Oct. 12	3.50
Judith Anderson	(P)	Golden	Med.	Oct. 15	3.00
*Gold Lode	(L-Inc)	Golden	Med.	Oct. 15	3.00
Rodell Imp.	(B)	Light Lemon	Med.	Oct. 15	3.00
Yel. Irene	(B)	Light Lemon	Med.	Oct. 15	3.25
Buttercup (H) (New)	(L-Inc)	Golden	Short	Oct. 15	7.50
Old Gold	(P)	Golden	Med.	Oct. 15	3.25
Sarasota (New)	(P)	Brt. Lemon	Med.	Oct. 15	7.50
BRONZE & RED					
Early Harvest	(C)	Mah. Orange	Short	Sept. 8	3.25
Harbinger	(D)	Golden Br.	Short	Sept. 8	3.25
*Early Bronze	(B)	Orange Br.	Short	Sept. 8	3.00
*W. P. Snyder	(LP)	Apr. Orange	Med.	Sept. 10	3.50
Autumn Song	(D)	Wine Rose	Med.	Sept. 10	3.25
Apache	(LD)	Red & Gold	Med.	Sept. 15	7.50
Red Gold	(B)	Red & Gold	Med.	Sept. 15	3.25
Orloma	(D)	Apr. Bronze	Med.	Sept. 15	6.25
Overly	(C)	Bronze	Med.	Sept. 20	7.50
Sept. Bronze	(B)	Golden Br.	Med.	Sept. 20	3.00
Goblin	(P)	Golden Br.	Tall	Sept. 20	3.00
Red Glow	(P)	Dark Red	Med.	Sept. 20	3.50
*Orsona	(D)	Red & Bronze	Med.	Sept. 20	6.25
Scarlet Crimson	(D)	Brt. Red	Med.	Sept. 20	3.25
Mme. Cadillac	(P)	Raspberry Wine	Short	Sept. 20	6.25
Rouge Cushion	(C)	Brt. Red	Short	Sept. 25	4.50
Br. Wonder	(LP)	Rosewood	Med.	Sept. 25	4.00
Champ. Cushion	(C)	Dp. Bronze	Short	Sept. 25	3.00
Comd. Cushion	(C)	Red	Short	Sept. 25	3.00
Mah. Cushion	(C)	Jasper Red	Short	Sept. 25	3.00
Mariionette	(P)	Rust Red	Med.	Sept. 25	3.50
Holiday (H)	(P)	Golden Br.	Med.	Sept. 25	4.50
*Remembrance	(LD)	Dp. Carmine	Med.	Sept. 28	3.50
Kath. Lehman	(LD)	Orange Br.	Med.	Sept. 28	4.00
Admiration	(LD)	Salmon Fawn	Med.	Sept. 28	7.50
Jubilee (H)	(P)	Crimson	Med.	Oct. 1	5.00
Mogul	(P)	Orange Rust	Med.	Oct. 1	4.50
Reverie	(D)	Buff Br.	Med.	Oct. 1	7.50
Fiesta	(P)	Orange Rust	Med.	Oct. 1	3.50
Magnificent	(LD)	Plum Red	Tall	Oct. 1	3.50
Red Cloud (Cushion)	(C)	Scarlet	Med.	Oct. 1	3.50
Red Riding Hood	(D)	Brt. Red	Med.	Oct. 1	3.25
Sam Williston (Cushion)	(C)	Deep Red	Short	Oct. 1	3.00
Gondolier	(LD)	Crimson	Med.	Oct. 1	7.50
Bonfire	(D)	Brt. Red	Med.	Oct. 1	3.50
Brigadier	(LP)	Plum Red	Med.	Oct. 1	4.50
Regina (New)	(LD)	Apricot Br.	Med.	Oct. 1	7.50
Card. Spoon	(Spoon)	Red Bronze	Med.	Oct. 1	3.50
Firecracker	(D)	Mahogany	Tall	Oct. 5	4.00
Cydonia	(LD)	Mahogany	Tall	Oct. 5	3.00
*Sept. Cheer	(S)	Cherry Red	Med.	Oct. 5	3.00
Burgundy	(LD)	Wine Red	Tall	Oct. 5	3.00
Ruby Pompon	(P)	Ruby Crimson	Med.	Oct. 5	3.00
Red Velvet	(LD)	Dk. Crimson	Med.	Oct. 5	3.25
*Mona	(P)	Rust Bronze	Med.	Oct. 5	3.50
Avalon	(P)	Orange Bronze	Tall	Oct. 5	4.50
Courageous	(LD)	Dark Ruby	Med.	Oct. 5	3.25
*Mrs. DuPont	(LD)	Coral Buff	Tall	Oct. 5	3.50
Beacon	(LD)	Coral Apr.	Tall	Oct. 8	3.50
Panorama	(D)	Orange Rust	Tall	Oct. 8	4.50
Aviator	(P)	Copper	Med.	Oct. 8	3.25
Access	(LP)	Dp. Crimson	Med.	Oct. 8	3.50
Amber Glow	(LD)	Rosey Br.	Tall	Oct. 8	3.25

Note: Above prices are for 50 cuttings. Prices for larger quantities on page 24.

Garden Varieties

Variety	Size & Type	Color	Height	Matures	Price 50 Only
BRONZE & RED					
Miguel	(D)	Raspberry Red	Tall	Oct. 8	6.25
*D Calumet (H) (New)	(D)	Apricot	Med.	Oct. 10	7.50
The Chief	(D)	Scarlet & Gold	Med.	Oct. 10	3.00
Huntsman	(LD)	Scarlet Orange	Tall	Oct. 10	3.50
Bokhara	(D)	Crimson	Med.	Oct. 10	3.50
Carnival	(LP)	Burnt Orange	Med.	Oct. 10	3.50
Caravan	(LD)	Salmon Br.	Med.	Oct. 10	4.00
Blueblood	(D)	Amaranth Red	Tall	Oct. 10	4.00
Orpheus	(LP)	Roman Red	Tall	Oct. 10	6.25
Carmine Queen	(LP)	Carmine	Tall	Oct. 10	3.50
*Bamboo	(S)	Buff Orange	Tall	Oct. 10	3.50
Fireside	(D)	Burnt Orange	Tall	Oct. 10	3.50
Nytoda	(S)	Golden Apr.	Med.	Oct. 12	4.50
Admiral	(D)	Dark Red	Med.	Oct. 12	4.00
Fashion	(D)	Rosewood	Med.	Oct. 12	4.00
Witchery	(D)	Golden Br.	Med.	Oct. 12	3.50
Nokomis	(LD)	Red Bronze	Med.	Oct. 12	3.50
Nocturne	(P)	Crimson	Med.	Oct. 12	3.50
*James Stewart	(P)	Apr. Gold	Tall	Oct. 15	3.50
Robinhue	(LD)	Dark Red	Tall	Oct. 15	3.50
Br. Pyramid	(LD)	Orange Br.	Tall	Oct. 15	3.25
Mayford's Triumph	(L-Inc)	Scarlet Br.	Tall	Oct. 15	3.50
Detroiter	(P)	Red Bronze	Tall	Oct. 15	3.50
*Carmelita	(LD)	Apr. Bronze	Tall	Oct. 15	3.50
Cocktail	(P)	Salmon Br.	Med.	Oct. 15	4.00
Rajah	(S)	Scarlet	Tall	Oct. 15	4.00
Chopin (New)	(L-Inc)	Lt. Bronze	Med.	Oct. 15	7.50
Arvis (New)	(P)	Bronze	Tall	Oct. 15	7.50
PINK & LAVENDER					
Gladness	(D)	China Rose	Short	Aug. 28	3.50
Cecil Beed	(D)	Deep Lav.	Med.	Sept. 1	4.50
Dr. Longley	(D)	Rose Pink	Med.	Sept. 1	4.00
Dr. Graham	(D)	Lav.	Med.	Sept. 1	7.50
Sal. Precose	(LD)	Salmon Pk	Short	Sept. 1	3.50
*Welcome	(S)	Rose Pink	Med.	Sept. 1	3.00
Rosa	(C)	Rose Pink	Med.	Sept. 5	7.50
*Purple Star	(P)	Purple	Med.	Sept. 5	3.00
Barbara Small	(P)	Lavender	Tall	Sept. 10	3.25
*D Nye's Favorite	(D)	Lavender	Med.	Sept. 10	3.50
*Orchid Helen	(D)	Orch. Lav.	Med.	Sept. 10	4.00
Royal Robe	(D)	Purple	Med.	Sept. 15	5.00
Chippewa	(LD)	Brt. Purple	Med.	Sept. 15	3.25
Violet	(P)	Amaranth Pk.	Med.	Sept. 15	3.25
Fairbow	(P)	Lav. Pk.	Med.	Sept. 20	3.50
Tapestry	(LD)	Brt. Pink	Med.	Sept. 20	4.00
Heather Bloom	(D)	Heather Pink	Med.	Sept. 20	3.00
*Alert	(LD)	Dk. Purple	Med.	Sept. 20	3.00
Olive Longland	(LD)	Apr. Salmon	Med.	Sept. 25	3.00
Imp. Early Wonder	(P)	Lavender	Med.	Sept. 25	3.25
*Spellbound	(D)	Lavender	Med.	Sept. 25	3.25
Capt. J. Smith	(C)	Lav. Pink	Short	Sept. 25	3.00
*Maj. Cushion	(C)	Lavender	Short	Sept. 25	3.00
Pk. Beauty	(D)	Salmon Pk.	Med.	Sept. 25	3.00
Sept. Dawn	(D)	Rose Pk.	Med.	Sept. 25	3.00
Pk. Opal	(P)	Persian Rose	Med.	Sept. 28	4.50
Rosita	(B)	Lav. Rose	Med.	Sept. 28	3.25
Malinda Brown	(P)	Lavender Rose	Med.	Sept. 28	5.00
Betty	(LD)	Pk. Rose Ctr.	Tall	Sept. 28	3.50
Misty Maid	(D)	Light Pink	Med.	Sept. 28	3.50
Pat. Lehman	(D)	Peach Pink	Tall	Sept. 28	4.00
Fascination	(LD)	Lav. Pk.	Med.	Oct. 1	5.00
*D Myrtle Walgreen	(LP)	Amar. Purple	Med.	Oct. 1	3.50
*Tiffany Rose	(S)	Deep Rose	Med.	Oct. 1	3.00
Mischief	(S)	Purple	Short	Oct. 1	7.50
Alex Cummings	(LD)	Deep Rose	Tall	Oct. 3	5.00
Enterprise	(P)	Amaranth	Tall	Oct. 5	4.50
Corona (H) (New)	(S)	Dp. Lavender	Tall	Oct. 5	7.50
*Pk. Surprise	(D)	Lavender	Tall	Oct. 5	3.50
*Lav. Lady	(D)	Lav. Pk.	Tall	Oct. 5	3.50
Ponca	(SD)	Dk. Lav.	Short	Oct. 10	3.50
Dream Girl	(P)	Lt. Lav.	Med.	Oct. 10	3.50
Argonne	(P)	Dk. Lav.	Med.	Oct. 10	3.50
*Courtier	(D)	Lav. Pk.	Med.	Oct. 10	4.00

Note: Above prices are for 50 cuttings. Prices for larger quantities on page 24.

Garden Varieties

Variety	Size & Type	Color	Height	Matures	Price 50 Only
PINK & LAVENDER					
Time	(LP)	Lavender	Med.	Oct. 10	3.50
Orch. Spoon	(Spoon)	Orch. Lav.	Med.	Oct. 10	3.50
Rose Spoon	(Spoon)	Lav. Rose	Med.	Oct. 10	3.00
Lassie	(LD)	Dk. Pink	Med.	Oct. 10	4.00
*Masquerade	(P)	Lav. Rose	Med.	Oct. 10	3.50
*Joybringer	(D)	Salmon Rose	Short	Oct. 10	3.50
Ronnie	(B)	Dk. Lav.	Med.	Oct. 12	3.50
*Serenade	(S)	Magenta	Tall	Oct. 10	3.50
Elizabeth Hood	(LD)	Lav. Pink	Med.	Oct. 12	4.50
Allegro	(P)	Shrimp Pk.	Med.	Oct. 12	3.25
Adagio	(P)	Raspberry Rose	Tall	Oct. 12	3.50
Dawn Rose	(LD)	Grenadine Pink	Med.	Oct. 15	3.50
*Jewell	(P)	Lav. Pink	Med.	Oct. 15	3.25
Dk. Jewell	(P)	Dk. Lavender	Med.	Oct. 15	3.25
Large flowering Mums which are normally grown in the greenhouse, but also are good outside, should be disbudded to one bloom per stem.					
WHITE					
Silver Sheen	M-Inc.	White	Tall	Oct. 20	3.00
YELLOW					
Harvest Golden	M-Inc.	Deep Golden	Tall	Oct. 10	3.50
*D Gold Lode	M-Ref.	Lemon	Tall	Oct. 15	3.00
Celestra	M-Inc.	Lemon	Tall	Oct. 15	3.25
Mrs. Kidder	L-Inc.	Dp. Lemon	Tall	Oct. 15	3.00
Buttercup (H) (New)	M-Inc.	Golden	Short	Oct. 15	7.50
BRONZE & RED					
Mayford's Triumph	M-Inc.	Scarlet Orange	Tall	Oct. 10	3.50
Amber Bright	M-Inc.	Amber Bronze	Med.	Oct. 15	3.50
Chopin (New)	M-Inc.	Lt. Bronze	Med.	Oct. 15	7.50
PINK & LAVENDER					
Pk. Chief	L-Inc.	Lavender	Tall	Oct. 15	3.00
Major Bowes	L-Inc.	Dp. Lavender	Tall	Oct. 15	3.00

Note: Above prices are for 50 cuttings. Prices for larger quantities on page 24.

EASTER DATES

1954	April 18	1958	April 6	1962	April 22
1955	April 10	1959	March 29	1963	April 14
1956	April 1	1960	April 17	1964	March 29
1957	April 21	1961	April 2	1965	April 18

BIRTHDAY FLOWERS

Jan.	Carnations	May	Lily-of-the-Valley	Sept.	Asters
Feb.	Violets	June	Roses	Oct.	Calendulas
Mar.	Jonquils	July	Larkspur	Nov.	Chrysanthemums
April	Sweetpeas	Aug.	Gladioli	Dec.	Narcissus

WEDDING ANNIVERSARIES

1st Yr.	Paper	9th Yr.	Willow	25th Yr.	Silver
2nd Yr.	Cotton	10th Yr.	Tin	30th Yr.	Pearl
3rd Yr.	Leather	11th Yr.	Steel	35th Yr.	Coral
4th Yr.	Fruit, Flowers	12th Yr.	Silk, Linen	40th Yr.	Ruby
5th Yr.	Wooden	13th Yr.	Lace	45th Yr.	Sapphire
6th Yr.	Sugar	14th Yr.	Ivory	50th Yr.	Gold
7th Yr.	Wool	15th Yr.	Crystal	55th Yr.	Emerald
8th Yr.	Pottery	20th Yr.	China	75th Yr.	Diamond

A.B.C. Supreme Quality Rooted Cuttings

This Table Indicates Prices For 50 or More Than 50 of a Variety, On One Order.

Price Classification	Per 50			Per 100 500-950	1000-2450	2500 up
		100-250	300-450			
S-3	\$ 3.00	\$ 5.70	\$ 5.40	\$ 5.10	\$ 4.80	\$ 4.50
S-2	3.25	6.15	5.85	5.50	5.20	4.85
S-1	3.50	6.65	6.30	5.95	5.60	5.25
P-3	4.00	7.60	7.20	6.80	6.40	6.00
P-2	4.50	8.55	8.10	7.65	7.20	6.75
P-1	5.00	9.50	9.00	8.50	8.00	7.50
N-1	6.25	12.00	11.50	11.00	10.50	10.00
P-0	7.50	14.25	13.50	12.75	12.00	11.25

COLLECTIONS

Rooted Cuttings of a given number of varieties in any one general group may be ordered as a collection when varieties are not specified. Such collections are priced as follows:

A.	250 r. c.	\$ 14.25
50 each of 5 varieties		
B.	500 r. c.	\$ 25.50
50 each of 10 varieties or 100 each of 5 varieties		
C.	1000 r. c.	\$ 48.00
50 each of 20 varieties 100 each of 10 varieties or 200 each of 5 varieties		
D.	2500 r. c.	\$ 112.50
50 each of 50 varieties 100 each of 25 varieties 250 each of 10 varieties 500 each of 5 varieties		

For Growers who are not familiar with Garden Varieties, but who want a well balanced assortment, we offer the following Collections, which include the better varieties.

COLLECTION #1
Taller Varieties for cutting.

COLLECTION #3
50% for Cutting
50% for Bedding

COLLECTION #2
For Pots or Bedding

COLLECTION #4
For Easter, Mother's Day
or Memorial Day Pots

CHANGES OR CANCELLATIONS on orders must be received at least 30 days before shipping date

Carnation Rooted Cuttings for 1954 Season

Cuttings will be available from December on

WHITE

	Per 100	Per 1000
Aurora. Large White	\$15.00	\$125.00
Frosty. Pure White	22.00	180.00
Jupiter. Large White	15.00	125.00
Northland. A very popular white	12.00	100.00
Olivette. Fine white	10.00	90.00
nOlivette Improved	20.00	150.00
White Baums Supreme. White	15.00	125.00
*White Sidney Littlefield. New	20.00	150.00
White Sim. White	15.00	125.00

YELLOW

nCanary Queen. Bright lemon	22.00	180.00
nDesert Sun. Pale Gold Buff	22.00	180.00
*Harvest Moon. Orange yellow	20.00	150.00
Midas. Yellow	15.00	125.00
Miller's Yellow. Yellow	12.00	100.00
*Pattens Yellow. Yellow	20.00	150.00

LIGHT PINK

Aphrodite. Light Pink	12.00	100.00
Catron Shell Pink Sim. Sport of Wm. Sim.	20.00	150.00
nGordon. Delicate shell pink	22.00	180.00
Hercules Virginia. Light Pink	15.00	125.00
nLight Pink Littlefield	20.00	150.00
nLight Pink Northland	20.00	150.00
Light Pink Sim. Light Pink	20.00	150.00
Netta. Light Pink	15.00	125.00
Petersen's Pink Sim. Sp. of Wm. Sim.	20.00	150.00
Portland Pink. Light Pink	20.00	150.00
Princess Irene. New Light Pink	12.00	100.00
Virginia Supreme. Light Pink	12.00	100.00

MEDIUM PINK

nBelvedere. Medium Pink	20.00	150.00
Sidney Littlefield. Medium Pink	15.00	125.00
Virginia Irvin. Medium Pink	12.00	100.00
Virginia Rose. Medium Pink	10.00	80.00

SALMON PINK

Apollo. Salmon Pink	15.00	125.00
Diana. Light Pink	15.00	125.00
*Excellence. Med. Salmon Pink	25.00	200.00
*Janie. Light Salmon	22.00	180.00

DARK PINK

Baums Supreme. Beautiful Cerise Pink	15.00	125.00
Canup's Pride. Cerise Cherry Pink	15.00	125.00
nCase's Pink Olivette. Rose Pink	20.00	150.00
*Citation. Striking Rose Pink, Silver Edge	15.00	125.00
*Rosalie. Dark Medium Pink	15.00	125.00
*nSaugus Pink. Soft Deep Pink	22.00	180.00
Virginia Miller. Dark Pink	12.00	100.00

Minimum order 100 of a Variety—250 at the 1000 rate. Variety Harvest Moon, minimum order 250.

Varieties marked (*) are sold under growers patent or restricted agreement. Varieties marked (n) are new and more recent introductions.

YODER BROS. CARNATION ROOTED CUTTINGS FOR 1954

Achilles. A large clear white	P-1	P-1
Adonis. White	P-2	P-2
Aurora. A large white	P-2	P-2
Jupiter. A large white	P-2	P-2
Juno. Medium sized white	P-1	P-1
Apollo. Salmon Pink	P-2	P-2
Aphrodite. Light Pink	P-2	P-2
Cupid. A true Briarcliff Pink	P-1	P-1
Diana. Light Pink	P-2	P-2
Eros. Light Pink	P-1	P-1
Minerva. Deep scarlet-pink	P-2	P-2
Pandora. A dark pink		P-1
Venus. Salmon Pink		P-2
Ceres. King Cardinal color		P-2
Neptune. Scarlet		P-2
Siren. A bright scarlet		P-1
Titan. Intense crimson red		P-1
Vulcan. Crimson—maroon group		P-2
Cassandra. A lively yellow		P-1
Midas. Yellow		P-2
Saturn. Bronze		P-2
Orion. Glowing ember		P-2

Prices for 50 or multiples of 50 of a variety
per shipment are indicated in this table.Price
Classification

	Per 50	Per 100	Per 1000	2500 up		
P-1	50 7.50	100-250 14.25	300-450 13.50	500-950 12.75	1000-2450 12.00	2500 up 11.25
P-2	6.75	12.80	12.15	11.45	10.80	10.10

No. C.O.D. Orders Accepted. Prices subject to change without notice.

A.B.C. Supreme Quality Rooted Cuttings

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Adagio	Bamboo	Bronze Wonder	Dark Br. Masterpiece
Adelaide	Barbara Small	Buccaneer	Dark Br. Minstrel
Admiral	Barcarole	Buckeye	Dark Buckley
Admiration	Benton	Buckskin	Dark Enchantress
Albatross	Bonfire	Bunbu	Dark Ind. Yellow
Alert	Bonanza	Burgundy	Dark Orchid Queen
Alex Cummings	Bonanza (H)	Butter Ball	Dark Jewell
Allegro	Bonanza (H)	Butter Ball (H)	Dark L. I. Beauty
Almega	Bonanza (H)	Buttercup (H)	Dark Ind. Bronze
Ambassador	Bonanza (H)	Butterscotch	Dark Linda Lou
Amber Bright	Bonanza (H)	C	Dark Norma
Amber Glow	Bonanza (H)	Cadet	Dark Pink Majorette
Amberina	Bonanza (H)	Calcite	Dark Riviera
Anaconda	Bonanza (H)	Calico	Dark Valencia
Apache	Bonanza (H)	Calif. Wh. Daisy	Dark Yellow Chattanooga 8
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Apricot Valencia	Bonanza (H)	Cameo	Dawn Rose
Arbutus	Bonanza (H)	Canary Wonder	Dazzler
Arcadia	Bonanza (H)	Candlelight	Debonair
Argonne	Bonanza (H)	Capt. Cook	Debutante
Argyle	Bonanza (H)	Capt. John Smith	December Glory
Aristocrat	Bonanza (H)	Caravan	December Gold
Arlora	Bonanza (H)	Cardinal Spoon	December White
Arvis	Bonanza (H)	Carmelita	Dee-Dee Ahrens
Auccess	Bonanza (H)	Carmine Queen	Defiance
Autumn Song	Bonanza (H)	Carnival	Defiance (H)
Avalanche	Bonanza (H)	Carole	Detroiter
Avalon	Bonanza (H)	Carolyn Yosick	Detroit News
Aviator	Bonanza (H)	Carousel	Dreamboat
Aztec	Bonanza (H)	Carrara	Dream Girl
B	C	D	E
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Bamboo	Calcite	Dark Br. Masterpiece	Early Gold
Barbara Small	Calico	Dark Br. Minstrel	Early Harvest
Barcarole	Calif. Wh. Daisy	Dark Buckley	Early Wonder
Beacon	Calumet (H)	Dark Enchantress	Early Yellow
Beauregard	Cameo	Caravan	Ed. Seidewitz
Beautiful Lady	Canary Wonder	Cardinal Spoon	Edith Roberts
Belray	Candlelight	Carmelita	Elizabeth Hood
Betsy Ross	Capt. Cook	Carmine Queen	Enchantress
Betty	Capt. John Smith	Carnival	Encore
Betty Rose	Caravan	Champagne	Enterprise
Bittersweet	Cardinal Spoon	Champion Cushion	Ermine
Blazing Gold	Chalice	Chanticleer	Eskimo
Blueblood	Challenge	Chas. Nye	Europa
Bluechip	Champagne	Chattanooga	Evening Star
Bojangles	Champion Cushion	Chiquita	F
Bokhara	Chanticleer	Chopin	Fairbow
Bonaffon Deluxe	Chas. Nye	Christina	Fairyland
Bonfire	Chattanooga	Christmas Greeting	Falcon
Bonton	Chiquita	Christmas Star	Fascination
Bourbon	Chopin	Chris. Columbus	Fashion
Bowl O'Gold	Christina	Cinderella	Festival
Brandywine	Christmas Greeting	Claret	Fiesta
Brigadier	Christmas Star	Classic	Firebird
Brigadoon	Chris. Columbus	Cocktail	Firecracker
Bright Forecast	Cinderella	Commande	Firefly
Brocade	Claret	Commander Cushion	Fireside
Bronze Buckingham	Classic	Constellation	Flame Glow
Bronze Daisy	Cocktail	Copperhead	Flaxen Beauty
Bronze Dot	Commande	Cordova	Fortune
Bronze Enchantress	Commander Cushion	Corona	Forty-Niner
Bronze Frick	Constellation	Coronet	Freedom
Bronze Goldsmith	Copperhead	Corsair	Frieda
Bronze Linda Lou	Cordova	Cotillion	Friendly Rival
Bronze Mary McArthur	Corona	Cottontop	G
Bronze Masterpiece	Cotillion	Courageous	Gaiety
Bronze Minstrel	Corsair	Courtier	Galaxy
Bronze Minuet	Cotillion	Cover Girl	Garland
Bronze Mistletoe	Cottontop	Cream Dot	Garnet King
Bronze Orchid Queen	Courageous	Cream Mefo	Garza
Bronze Pyramid	Courtier	Creampuff	Gena Harwood
Bronze Riviera	Cover Girl	Cream Snowcrest	Genista
Bronze Thrya	Cream Dot	Crescendo	Gt. Betsy Ross
Bronze Tuxedo	Cream Mefo	Crimson Valencia	Gladness
	Creampuff	Crystal Beauty	Gladys Pearson
	Cream Snowcrest	Crystal Queen	Glitters
	Crescendo	Cydonia	Goblin
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			Golden Pearson
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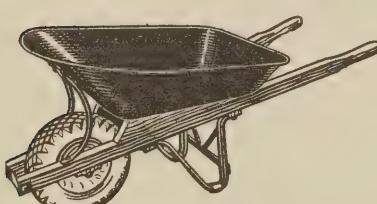
SEEDLING SPRINKLER WITH SHUT-OFF



A new type fine mist atomizer with finger-depressor shut off. Precision made. The last word in seedling sprinklers.

No. L-5-3. With $\frac{3}{4}$ " hose connection.
Each

WHEELBARROW—Steel



Built for heavy work and constant use. Steel tray, 35x30 in. Capacity 4 cu. ft. Ball-bearing wheel with rubber tire. Hardwood handles.
Each

\$23.50

WOOD POT LABELS

	Per 1000	
	Plain	Painted
4x $\frac{5}{8}$ ins. (1000 per carton)	\$2.90	\$3.40
5x $\frac{5}{8}$ ins. (1000 per carton)	3.10	3.70
6x $\frac{5}{8}$ ins. (1000 per carton)	3.40	4.15
8x $\frac{5}{8}$ ins. (500 per carton)	5.00	6.20
10x $\frac{5}{8}$ ins. (500 per carton)	6.00	7.30
12x $\frac{5}{8}$ ins. (500 per carton)	7.00	8.60

WOOD GARDEN LABELS

8x $\frac{7}{8}$ ins. (250 per carton)	\$ 7.30	\$ 8.50
10x $\frac{7}{8}$ ins. (250 per carton)	8.30	9.60
12x $\frac{1}{8}$ ins. (100 per carton)	14.00	16.00

WOOD TREE LABELS

3 $\frac{1}{2}$ x $\frac{5}{8}$ ins., copper-wired	\$3.40	\$4.10
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WEATHERPROOF PENCILS

Each....	10c	Doz....	\$1.00	Gross....	\$10.00
----------	-----	---------	--------	-----------	---------

CANE STAKES—Pencil Thickness

	Per 1000	Per Bale
1 $\frac{1}{2}$ -ft. Green	\$ 3.50	\$ 6.00
2 -ft. Green	4.75	8.00
2 $\frac{1}{2}$ -ft. Green	5.75	10.00
3 -ft. Green	7.50	13.00
3 $\frac{1}{2}$ -ft. Green	9.50	16.50
4 -ft. Green	10.50	18.00
5 -ft. Natural	14.00	24.50

2000 to the bale.

WATER BREAKERS



The "400" Water Breaker

No. 400. Gives a large volume of water with very little pressure. $\frac{3}{4}$ in. coupling.
Each

HOSE—Greenhouse

"DURO"—Very finest grade, red rubber hose, especially designed for greenhouse use. Very flexible.

2-ply—Heavy duty, high pressure.
3/4"—Uncoupled. Per ft. \$ 0.47
50-ft. length—Coupled 24.00

KOROSEAL PLASTIC HOSE

B. F. Goodrich's tough, durable, top-selling plastic hose. Fast-flow, flexible, lightweight Handles pressures up to 50 lbs. Green.

1/2" Garden Hose	Each	Case of 5
25 ft. cpld. (\$5.75 retail)	\$4.17	\$19.80
50 ft. cpld. (\$9.80 retail)	7.11	33.75
3/4" Growers Hose		
50 ft. cpld. Each.		\$14.75

AMERICAN BULB COMPANY

1335 W. RANDOLPH STREET
CHICAGO 7, ILL.

31 W. 27th ST.
NEW YORK 1, N.Y.

CHRYSANTHEMUM CUTTING ORDER

Sold To: _____

Ship To: _____

Date of Order _____

Date Wanted _____

Shin Via:

May we substitute if necessary
to complete order

Yes
No

Air Express

Air Freight

Railway Express

Any Special Instructions:

DISCLAIMER

Mum cuttings when shipped by our specialist growers, are in perfect healthy condition and we cannot accept responsibility for any damage due to heating, freezing, delay, or damage in transit. Any damage due to such causes, should be reported immediately to the transportation carrier and an inspection asked for and claim made to them. Our responsibility ceases when transportation company accepts and signs for shipment. Furthermore, we accept no responsibility for growing failures.

This Table Indicates Prices For 50 or More Than 50 of a Variety, On One Order.

Price Classification	Per 50		Per 100			
	50	100-250	300-450	500-950	1000-2450	2500 up
S-3	\$ 3.00	\$ 5.70	\$ 5.40	\$ 5.10	\$ 4.80	\$ 4.50
S-2	3.25	6.15	5.85	5.50	5.20	4.85
S-1	3.50	6.65	6.30	5.95	5.60	5.25
P-3	4.00	7.60	7.20	6.80	6.40	6.00
P-2	4.50	8.55	8.10	7.65	7.20	6.75
P-1	5.00	9.50	9.00	8.50	8.00	7.50
N-1	6.25	12.00	11.50	11.00	10.50	10.00
P-0	7.50	14.25	13.50	12.75	12.00	11.25

WHITE POMPONS

Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount
	6 Week Varieties				Renown	S-1			Minong	S-3			Arcadia	S-2	
	Sept. Morn	S-1			Classic	S-1			Silvertone	P-1			Silver Cloud	P-1	
	White Wonder	S-2			Silverplate	S-1							Halo	S-1	
	Chris. Columbus	S-1											Sea Gull	S-3	
	7 Week Varieties				8 Week Varieties				Popcorn	S-2			White Doty	S-2	
	Avalanche	S-2			Silver Ball	S-3			White Popcorn	P-3					
	White Cloud	S-1			Calif. White Daisy	S-1			Keepsake	P-3			10 Week Varieties		
	Horizon	P-3			(Kimoto's White)				Pinocchio	S-3			Freedom	P-1	
	Marshmellow	P-1			Irene	S-2			Songster	S-1			Whitetop	P-1	
	Maestro	S-1			Norona	P-3			Cottontop	S-2			Madonna	P-3	
					Pristine	S-1			Shooting Star	P-3			Kolowa	S-1	

WHITE POMPONS

Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	
	Encore	S-2			11 Week Varieties					12 Week Varieties						
	White Anemone	S-1			Sculpture	P-3			White Yuletide	S-3			Imp. Wh. Supreme	S-1		
	White Mensa	S-2			White Norma	S-1			White Lady	P-2			Snow Queen	P-3		
	Rev. Bushnell	S-1			Eskimo	P-3			White Valencia	S-1			Yukon	S-3		
	Moonglow	S-1			Lakme	S-1			Cordova	S-2			14 Week Varieties			
	Pacesetter	P-1			Snowflurry	S-1			Fortune	S-1			Trenton	P-1		
	Illini Igloo	P-2			Seafom	S-2			Monarch	P-3			Snowcrest	S-2		
	Shasta	S-3			L. I. Beauty	S-3			13 Week Varieties				Silversmith	S-2		
	Dynamo	P-3			Highbrow	S-1			White Enchantress	P-1			Snowcap	S-1		
	Vesper	S-2			Nevada	S-2			Cameo	S-3			Garza	S-2		
	Nagona	S-1			Priscilla	S-3			Acclaim	P-3			Satellite	P-3		
	(Calif. White Mensa)				Illini Bountiful	S-1			Swan	S-1			Heirloom	S-1		
	Little America	S-3			Crystal Beauty	S-1			Spangles	S-1			15 Week Varieties			
	Illini Snowdrift	S-1			Paramount	S-1			Cotillion	P-3			Muto's White	S-3		
	Matchless	S-2			Belray	S-1			Snowdrop	P-3			Revelation	S-3		
	White Frieda	S-3							Carrara	P-2			Snow	S-3		
									Illini Starlet	P-1			Talmeda	P-1		
													Illini Snowbound	P-2		

YELLOW POMPONS

6 Week Varieties		Yellow Arcadia	S-2		Yellow Fellow	S-2		Brandywine	P-3		
Yellow Chris.		Sauterne	P-1		Susanne Miller	S-1		Jackpot	P-3		
Columbus	S-1	Gondola	P-1		Tacoma	P-2		Symmetry	P-3		
Moonlight	P-2	Mary Gold	S-3		Illini Brave	S-1		Yellow Swan	S-1		
Honeycomb	S-2	Mary Hall	S-3		Yel. L. I. Beauty	S-1		Yellow Cameo	S-3		
7 Week Varieties		Yellow Halo	P-2		Yel. Highbrow	P-2		Yellow Spangles	P-2		
Polaris	S-1	Schn. Yel. Daisy	S-1		Lollipop	S-1		Cinderella	S-1		
Chas. Nye	S-2	Yellow Doty	S-2		Pippin	P-3		Goldtone	S-1		
Garland	P-3	Starbright	S-1		Klondike	S-1		Imp. Yel. Supreme	S-1		
Yellow Spoon	S-1	Yellow Daisy	S-2		Bojangles	S-1		Challenge	S-1		
Lee Powell	P-2	Yel. Sea Gull	S-3		Yellow Nevada	S-2		Corsair	P-3		
Goldrush	S-1	Yellow Cassandra	S-1		Illini Sunspot	P-2		14 Week Varieties			
Treasure	P-3	Sunray	S-3		Yellow Paramount	P-1		Yellow Snowcap	P-1		
Bright Forecast	S-1	Honeymoon	P-1		Yellow Rolinda	S-3		Yellow Riviera	S-1		
Lemonade	S-1				12 Week Varieties						
Sweepstakes	S-1				Goldenrod	P-3		Cream Snowcrest	P-2		
8 Week Varieties		Barcarole	S-2		Illini Gold	S-2		Yellow Snowcrest	P-3		
Yellow Irene	S-2	Brigadoon	P-3		Yellow Priscilla	S-1		Yel. Garza	S-2		
Arlora	P-1	Crescendo	S-1		Goldsmith	S-2		Sequin	S-1		
Creampuff	P-1	Constellation	S-3		Highlander	P-3		Shamrock	S-1		
Moondrift	P-2	Pixie	S-2		Sunnyside	S-3		December Gold	S-2		
Rodell Imp.	S-3	Nuggets	S-3		Champagne	S-1		Sunkist	S-1		
9 Week Varieties		Golden Mensa	S-2		Yellow Valencia	S-2		Vibrant	S-3		
Ordalia	P-1	Yellow Shasta	S-3		Golden Jane	S-2		Revelry	P-3		
Starlight	P-1	Masons Yellow	S-1		Yellow Cordova	S-2		Gold Seal	P-2		
Golden Herald	S-3	Yellow Nagona	S-1		Yellow Fortune	P-1		Sunrise	P-3		
Gold Coast	S-3	(Calif. Yel. Mensa)			Omega	S-3		Gold. Anniversary	S-1		
Red Dot	S-3	Lila Lily	S-1		Nosegay	P-3		Yellow Revelation	S-3		
Yellow Dot	S-3	Illini Gold Cup	S-1		Yel. Galaxy	P-2		15 Week Varieties			
Cream Dot	S-3							Siren	S-1		
Yellow Firebird	S-2	Princeton	S-2		13 Week Varieties						
Aztec	P-1	Thorobred	P-3		Yellow Acclaim	P-1		Yuleflame	S-1		
Sunup	P-3	Golden Chord	S-2		Golden Harvest	S-1		Yellow Snow	S-3		
		Forty-Niner	S-2					III. Yel. Snowbound	P-2		

BRONZE & RED POMPONS

6 Week Varieties		Huntsman	S-1		Carmine Queen	S-1		Witchery	S-1		
W. P. Snyder	S-1	Firecracker	P-3		Carnival	S-1		Mrs. Du Pont	S-1		
Marionette	S-1	Buckeyes	P-1		Pireside	S-1		Admiral	P-3		
Mogul	P-2	Panorama	P-2		Nokomis	S-1		Moonmaid	P-1		
Bonfire	S-1	Red Velvet	S-2		Fashion	P-3		Caravan	P-3		
7 Week Varieties		Bamboo	S-1		Nocturne	S-1		8 Week Varieties			
Avalon	P-2	Blueblood	P-3		Nytoda	P-2		Robinhue	S-1		
Mona	S-1	Calico	S-1		Carmelita	S-1		Red Glow	S-1		

BRONZE & RED POMPOMS

Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount
	Cocktail	P-3			Imp. Red Daisy	S-1			Illini Rye	P-3			Yolanda	S-1	
	Rajah	P-3			(Adachi Red)				Br. Masterpiece	S-3			Indian Head	S-1	
	Detroiter	S-1							Dk Br.				Apricot Valencia	S-2	
	James Stewart	S-1			10 Week Varieties				Masterpiece	S-2			Crimson Valencia	S-1	
	Talisman	P-1			Commande	S-1			Paragon	S-1			Amberina	P-3	
	Adelaide	S-3			Flame Glow	P-1			Illini Tangier	P-2			Galaxy	S-1	
	Paradise	P-1			Orange				Red King	P-1					
	Jemima	S-3			Beauregard	P-1			Cadet	P-1			13 Week Varieties		
	Pallette	P-1			Beauregard	S-1							Dazzler	P-3	
	Br. Mary McArthur	S-1			Butterscotch	S-1							Br. Enchantress	S-2	
					Cassandra	S-2							Debonair	S-2	
					Red Rust	S-2							Mahogany Viking	S-1	
					Rubicon	S-2							Imp. Br. Supreme	S-1	
					Magician	S-1							Br. Supreme	S-1	
					Bittersweet	S-2							Red Supreme	S-1	
					Gypsy	S-3							Harlequin	P-3	
					Samovar	S-1							Holiday	S-1	
					Sylvanna	S-2							Cavalcade	S-1	
					Chanticleer	S-1							Pageantry	S-1	
					Mason's Bronze	S-1							Christmas Star	S-2	
					Mason's Red	S-1							Br. Minstrel	S-1	
					Chevron	S-1							Dk. Br. Minstrel	P-2	
					The Titan	S-2									
					Bronze Thyra	S-1							14 Week Varieties		
					Illini Burma	P-3							Bronze Riviera	S-1	
					Europa	S-1							Claret	P-3	
					Copperhead	S-1							Topaz	P-3	
					Br. Linda Lou	S-1							Christmas Greeting	S-1	
					Br. Tuxedo	S-1							Sarong	S-2	
					Gold Braid	P-3							Merrymaker	S-1	
													Poinsettia	P-3	

PINK POMPOMS

6 Week Varieties		Eliz. Hood	P-2	Pennant	P-1	Minuet	S-2
Early Wonder	S-2	Jewell	S-2	Cover Girl	P-1	Illini Formal	P-1
Spellbound	S-2	Dk. Jewell	S-2	Nobility	P-1		
7 Week Varieties							
Petrisian Mauve	P-0	Carolyn Yosick	S-3	Thyra	S-3	Pink Cloud	P-1
Petrisian Pink	P-0	Pink Sprite	S-1	Soprano	S-1	Princess	P-3
Petrisian Rose	P-0	Mary McArthur	S-1	Linda Lou	S-3	Hasegawa Pink	S-1
Courtier	P-3	Capt. Cook	S-3	Dark Linda Lou	S-3	Beautiful Lady	S-3
Dream Girl	S-1	Prelude	P-1	Tuxedo	S-1	Valencia	S-2
Ponca	S-1	9 Week Varieties		Miss Clarinda	P-3	Dark Valencia	S-2
Argonne	S-1	Pinkette	P-1	Masterpiece	S-3	Dubonnet Valencia	P-2
Lassie	P-3	Vogue	P-1	Rose Masterpiece	S-2	Orchid Valencia	P-3
Serenade	S-1	Edith Roberts	S-1	Salmon		Salmon Valencia	P-3
Orchid Spoon	S-1	Reward	S-1	Masterpiece	S-2	Heritage	P-3
Joybringer	S-1	Pink Dot	S-3	Memorial	P-3	13 Week Varieties	
Brigadier	P-2	Jessie	S-3	Taffeta	S-1	Enchantress	S-2
Sweetheart	S-1	Betty Rose	S-1	11 Week Varieties		Dark Enchantress	S-1
Allegro	S-2	Oct. Pink	S-2	Carole	P-1	Argyle	P-1
Masquerade	S-1	Portrait	P-1	Dark Norma	S-1	Debutante	S-1
Ronnie	S-1	Bluechip	P-1	Orchid Beauty	S-2	Imp. Dk. Supreme	S-1
Salute	S-1	Pk. Calif. Daisy (W. H. Buckingham)	S-1	Brocade	S-3	Minstrel	S-1
Adagio	S-1	Rainbow	P-2	Frieda	S-3	Lt. Pk. Minstrel	P-2
Lavender Lady	S-1	Ballerina	S-1	Polka	P-1	14 Week Varieties	
Sonnet	P-1	Lillian Doty	S-2	Nugano	P-1	Riviera	S-3
Betty	S-1	Arbutus	P-2	Grand Slam	P-3	Dk. Riviera	S-3
8 Week Varieties		Lotus	P-1	Almega	P-2	Serrated Riviera	P-2
Fairyland	P-1	Tempo	P-1	Vivacious Lady	P-3	Coronet	S-1
Mayfair	P-1	10 Week Varieties		Evening Star	P-3	Rosalind	S-3
Jester	P-1	Dreamboat	S-2	Pink L. I. Beauty	S-1	Defiance	S-1
Citation	P-1	Dark Bulkeley	S-1	Pinky	S-1	Medallion	S-1
Enterprise	P-2	Dk. L. I. Beauty	P-2	Rose Medallion	P-2		
		Dk. Pk. Majorette	P-1	Pk. Treas. Island	S-3		
		Majorette	S-1				

WHITE STANDARDS

Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount				
8 Week Varieties																			
.....	Silver Sheen	S-3	.....	.....	Albatross	S-2	.....	.....	White Pockett	S-1	.....	.....	.....	12 Week Varieties	.....			
.....	White Chief	S-1	.....	.....	Snow White	S-3	.....	.....	Monument	S-2	.....	.....	.....	Chattanooga	S-3
.....	Christina	S-1	10 Week Varieties															
.....	Betsy Ross	S-3	11 Week Varieties	13 Week Varieties		
.....	9 Week Varieties	.....	.....	.....	Giant Betsy Ross	S-2	.....	.....	Sterling	S-1	.....	.....	.....	December Glory	S-2
.....	Nightingale	S-2	.....	.....	Ind. White	S-3	.....	.....	Marketeer	S-3	.....	.....	.....	Margaret Moeller	S-3
.....	Granite State	S-3	.....	.....	Richard Mandel	S-2	.....	.....	Mefo	S-3	.....	.....	.....	December White	S-2
.....	Ambassador	S-2	.....	.....	Jean Elizabeth	S-2	.....	.....	White Frick	S-2	.....	.....	.....	White Mistletoe	S-2
.....	Wilson's White	P-3	.....	.....	Crystal Queen	P-2	.....	.....	Indiana Market	S-1	.....	.....	.....	Snowline	S-1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Smith's White	S-2

YELLOW STANDARDS

Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount				
8 Week Varieties																			
.....	Buttercup	P-0	.....	.....	Golden Glory	S-2	.....	.....	Honey Dew	S-2	.....	.....	.....	Yel. Chattanooga	S-3
.....	Gold Lode	S-3	.....	.....	Gold News	S-2	.....	.....	.....	.....	.....	.....	.....	Golden Pearson	S-3
.....	Celestra	S-2	10 Week Varieties															
.....	Harvest Golden	S-1	.....	.....	Imp. Ind. Yellow	S-1	.....	.....	Yellow Marketeer	P-2	.....	.....	.....	Mrs. Calkins	S-1
.....	Mrs. Kidder	S-3	.....	.....	Ind. Yellow	S-3	.....	.....	Bonnaffon Deluxe	S-3	.....	.....	.....	Sungold	S-2
.....	Butterball	S-1	.....	.....	Dk. Ind. Yel. (Pots)	S-2	.....	.....	Friendly Rival	S-2	.....	.....	.....	Golden Mrs. Ross	S-3
.....	Blazing Gold	S-3	.....	.....	Sue Sally Jones	S-1	.....	.....	Yellow Mefo	S-3	.....	.....	.....	Yellow Moeller	S-1
.....	9 Week Varieties	10 Week Varieties															
.....	Smith's Superlative	S-2	.....	.....	Yellow Queen	S-2	.....	.....	Purdue	S-1	.....	.....	.....	13 Week Varieties	.....			
.....	Yel. Ambassador	S-2	.....	.....	Jamboree	S-1	.....	.....	Harvester	S-3	.....	.....	.....	Golden Mistletoe	S-2
.....	Yellow Bergen	S-2	.....	.....	Yellow Beauty	S-2	.....	.....	Marie DePetris	S-2	.....	.....	.....	Chalice	P-3
.....	Sunglow	S-3	.....	.....	Yellow Pockett	S-1	.....	.....	12 Week Varieties	.....	.....	.....	.....	Tobin's Yellow	S-2
.....	.....	.....	.....	.....	Yellow Monument	S-2	.....	.....	Dk. Yel.	.....	.....	.....	.....	Meteore	S-2
.....	.....	.....	.....	.....	.....	.....	.....	.....	Chattanooga	P-1	.....	.....	.....	Dauntless	S-1

BRONZE & RED STANDARDS

Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount
8 Week Varieties															
.....	Chopin	P-0	.....	.....	Ivanhoe	S-2	.....	.....	Anaconda	S-2	.....	.....	.....	12 Week Varieties	.....
.....	Mayfords Triumph	S-1	.....	.....	Apricot Queen	S-2	.....	.....	Oakdale	S-1	.....	.....	.....	Gladys Pearson	S-3
.....	Amber Bright	S-1	.....	.....	Detroit News	S-2	.....	.....	Br. Orchid Queen	S-2	.....	.....	.....	Oak Leaf	S-3
.....	9 Week Varieties	.....	.....	.....	Royal Bronze	P-2	.....	.....	Mrs. Stahelin	S-1	.....	.....	.....	Muto's Crimson	S-1
.....	Hilda Bergen	S-2	.....	.....	Ind. Bronze	S-3	.....	.....	Mrs. Roy	S-1	.....	.....	.....	13 Week Varieties	.....
.....	Glitters	S-2	.....	.....	Ind. Gold. Bronze	P-3	.....	.....	Garnet King	S-2	.....	.....	.....	Bronze Mistletoe	S-2
.....	Red Glitters	S-2	.....	.....	Dk. Ind. Bronze	P-2	.....	.....	Br. Frick	S-2	.....	.....	.....	.....	.....

PINK STANDARDS

Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount
8 Week Varieties															
.....	Pink Chief	S-3	.....	.....	10 Week Varieties	.....	.....	.....	Queen of Pinks	S-3	.....	.....	.....	Thanks. Pink	S-3
.....	Maj. Bowes	S-3	.....	.....	J. W. Prince	S-2	.....	.....	Pink Pockett	S-1	.....	.....	.....	Ed. Seidewitz	S-2
.....	9 Week Varieties	.....	.....	.....	Ind. Pink	S-3	.....	.....	11 Week Varieties	.....	.....	.....	.....	13 Week Varieties	.....
.....	Sugarplum	S-1	.....	.....	Orchid Queen	S-2	.....	.....	Aristocrat	S-2	.....	.....	.....	Pink Mistletoe	S-2
.....	Bunbu	S-2	.....	.....	Lavender Queen	S-1	.....	.....	Helen Frick	S-3	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	Dk. Orchid Queen	S-2	.....	.....	Rose Delight	S-1	.....	.....	.....	.....	.....

SPIDER TYPES

Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount	Quantity	Variety	Price Class	Amount
8 Week Varieties															
.....	Queens Lace	S-1	.....	.....	Gold Lace	P-2	.....	.....	Waikiki	S-1	.....	.....	.....	Mary Garden	S-1
.....	Kay Tashima	S-1	.....	.....	Hooked Yel. Lace	P-2	.....	.....	Gena Harwood	S-1	.....	.....	.....	Rayonnante	S-2
.....	White Rayonnante	S-2	.....	.....	Yel. Rayonnante	S-1	.....	.....	Nomago	P-3	.....	.....	.....	Peggy Hoover	S-1
.....	Moribana	P-2	.....	.....	Lorraine	S-1	.....	.....	Mamoru	S-2	.....	.....	.....	.....	.....
.....	Yellow Lace	S-1	.....	.....	Dalwin	P-2	.....	.....	Mrs. Walker	S-1	.....	.....	.....	.....	.....

COMPLETE BUILDING INSTRUCTIONS FOR CLOTH HOUSES

Measure out a **PERFECT RECTANGLE** on the ground, each side of the rectangle being 33 feet if you plan a house 33 feet in width, or if larger, some multiple of 33 feet. Posts to be placed in the ground three feet deep, to carry the wires at positions that will line the wires in 16-feet-6-inch centers, in every direction.

If you plan a 33 feet wide house, it will require no inside posts; in a 66 feet width house you will need one row of posts inside, and in a 99 feet width house two rows of posts inside. **IN ALL SIZE HOUSES BE CAREFUL THAT THE POSTS ARE PLACED TO CENTER THE SUPPORT WIRES EXACTLY 16 FEET 6 INCHES**, so the top cloth made 33 feet widths with allowances will fit the frame.

Each outside post must be anchored rigidly with a dead man, and each corner post must have two dead men, one anchored against each side of the rectangle, dig a hole about three feet deep, six feet away from the post, take a 24-foot length of No. 8 galvanized wire, double it and loop one end around the post 6 feet 6 inches from the ground, attach the other end to the dead man and bury it, then twist the wire with a stick as in sketch until the post is in line; nail the 6-inch baseboard in position around the outside of the house. Place two 1½-inch staples six feet above the ground on each post so the No. 8 galvanized wires will pull through easily and use wire stretchers to stretch the wires taut. Stretch the wires from the corner posts only, as corner posts have two dead men, one anchored against each side of the rectangle, stretch the wires until they have the proper rigid tension and then drive the staples in fully to hold wires.

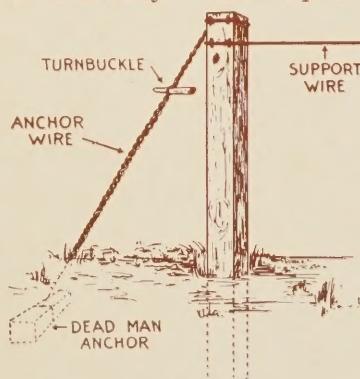
If you have inside posts they may be placed to hold the support wires and cloth 6¾ to 7 feet in height, giving more head room with the same width of cloth.

The cloth is rolled and folded and

will be easy to lay if care is taken to follow directions.

To cover the top unroll the cloth at one end of the frame and with several men lift it across the support wires, leaving about a yard hanging over the end wires so you can adjust it later; unfold a few yards lengthwise beside the frame, then take the selvage edge of the house top and the selvage edge of the sidewall and roll them together five times around the side wire, where you have surplus cloth on the ends wrap this around the wires and sew it, as it protects the cloth where the strain centers on the support wires. Pin the cloth in place with 8-penny wire nails, pin 10 or 15 feet before you begin to sew, stretch the cloth only enough to keep the sagging out and be sure to keep the lengthwise reinforcement woven lines at an even distance parallel with the length of the wire.

Start at the post and sew by whipping around the wire, using a tight lock stitch, so that the cloth will not slip; do not whip the thread along the wire more than 3 inches before lock stitching again. As you sew have the cloth pinned ahead of you 10 to 15 feet all the time. After this side is finished unfold the cloth to the other 33 feet side support wire and pin before sewing, making sure that the woven reinforced lines are at an even parallel distance from the support wire; sew ends with the same method. Only sew the cloth to support wires. Fasten the sidewalls to the baseboard with the new aluminum fasteners every 9 inches instead of using the old lath strip method, as this will prevent the cloth from rotting at the baseboard, from dampness.

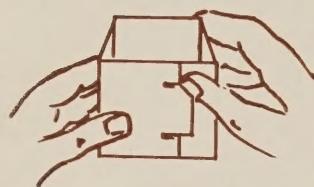


A very good idea to prevent the cloth from chafing and wearing out the yarns is to cover the rough joints of the baseboard and also wrap the posts with either heavy paper or old cloth. Where wires are spliced cover them with some kind of wrapping.

A.B.C.—Headquarters for

PLANT BANDS OF ALL TYPES

"Easi-Off"



Saves time and labor. Bands are removed without cutting; therefore, the dirt ball and roots are not disturbed.

WOOD PLANT BANDS

CAT.	Size in inches	Weight per 1000	Per 1000
No. M-310	1 3/4 x 1 3/4 x 2 1/2	18 lbs.	\$4.10
No. M-320	2 x 2 x 2 1/2	20 lbs.	4.50
No. M-340	2 1/2 x 2 1/2 x 3	28 lbs.	4.90
No. M-350	3 x 3 x 3	30 lbs.	5.30
No. M-360	3 x 3 x 4	38 lbs.	5.75
No. M-391	4 x 4 x 4	40 lbs.	6.75

LIGHT WOOD FLATS

For handling and shipping all sizes of Plant Bands.

Per 100

M-370; holds twelve 1 3/4-in. Bands	3.60
M-390; holds twelve 2-in. Bands	3.90
M-392; holds twelve 2 1/2-in. Bands	5.00
M-393; holds six 3-inch Bands	4.75
M-394; holds six 4-inch Bands	5.75
Shipped promptly from the factory in Michigan.	

STAPLED WOOD PLANT BANDS

Sturdy plant bands made of cottonwood, securely fastened with two wire staples for quick setup. Shipped promptly from the factory in Illinois.

Sizes in inches	Per 1000	Sizes in inches	Per 1000
1 3/4 x 1 3/4 x 2 1/2	4.70	2 1/2 x 2 1/2 x 3	5.50
2 x 2 x 2 1/2	4.80	3 x 3 x 3	5.90
2 x 2 x 3	5.10	3 x 3 x 4	6.10
2 1/2 x 2 1/4 x 2 1/2	5.00	4 x 4 x 3	6.20
2 1/2 x 2 1/2 x 2 1/2	5.10	4 x 4 x 4	7.10

BIRD VITA-BANDS Nutrient Treated

Vita-Band H for 40-week growing period.
Vita-Band 10 for 10-week growing period.

PRICES PER THOUSAND							
Sold in Units of 1000 only	1 1/2 x 1 1/2 x 2 1/2	1 3/4 x 1 3/4 x 2 1/2	2 x 2 x 2 1/2	2 x 2 x 3	2 1/2 x 2 1/2 x 3	3 x 3 x 3	4 x 4 x 3
VITA-BAND H	—	5.45	5.80	6.90	7.65	8.50	10.45
VITA-BAND 10	3.70	4.00	4.55	5.05	6.00	6.90	9.00

TOM THUMB FLATS

No. 1 for 1 doz. 1 3/4-inch Bands. No. 2 for 1 doz. 2-inch Bands.

Tom Thumb Flats Per 1000		Combination 1000 Flats 12,000 Vita-Band 10 Per 1000 Sets	
Size No. 1	Size No. 2	Size No. 1	Size No. 2
\$44.70	\$49.60	\$86.45	\$95.65

FERTILIZERS

AMMONIUM SULPHATE, 21% Nitrogen.	
25 lbs.	\$ 1.75
100 lbs.	5.50
1000 lbs.	50.00
CALCIUM SULPHATE. (Agricultural Gypsum).	
25 lbs.	\$1.00
100 lbs.	2.50
IRON SULPHATE. For acidifying the soil.	
10 lbs.	75c
50 lbs.	2.50
MURIATE OF POTASH. (Potassium Chloride). 62% Potash.	
100 lbs.	\$ 4.75
NITRATE OF SODA. 16% Nitrogen.	
100 lb. bag	\$ 5.50
SUPERPHOSPHATE. 20% Phos. (80 lb. bags).	
80 lbs.	2.00
960 lbs.	21.12
SOLUBLE FERTILIZER (Kapco). Analysis: 15-30-15, with added minor elements	
25 lbs.	\$ 5.50
480 lbs.	91.20
VERTAGREEN. Analysis: 5-10-5.	
50 lbs.	\$ 1.75
100 lbs.	
	\$ 3.35

CLOTH FOR SHADING AND CLOTH HOUSES

AMERICAN BLACK SHEEN SHADING CLOTH

For shading early chrysanthemums during the normal summer growing season in greenhouses, cloth houses, or outside, as it will bring your blooms in on schedule. Ideal for outdoor shading as it will allow the rain to penetrate and not lie in pools on top. Guaranteed fast black, closely woven, treated and pre-shrunk to produce 99% darkness.

Available in bolts approx. 36 inches wide or cut to any length. It can be sewn to any width in multiples of 36 in.

PRICES PER SQ. YD.	Unsewed	Sewed
100 sq. yds. or more	\$.59	\$.65
50-99 sq. yds.	.64	.70
20-49 sq. yds.	.69	.75
Less than 20 sq. yds. MINIMUM CHARGE	15.00	15.00

KNIGHT BLACK SHEEN SHADING CLOTH

A heavier cloth designed for indoor shading on a year-round program as it cuts out 100% of all light. Recommended especially by universities and experimental stations for off-season growing where total exclusion of light is essential. Otherwise same as American Black Sheen listed above.

PRICES PER SQ. YD.	Unsewed	Sewed
100 sq. yds. or more	\$.65 1/2	.71 1/2
50-99 sq. yds.	.70 1/2	.76 1/2
20-49 sq. yds.	.75 1/2	.81 1/2
Less than 20 sq. yds. MINIMUM CHARGE	16.50	16.50

LONG LIFE SARAN CLOTH HOUSE

SARAN, the new material for cloth houses, is fast making the old cotton cloths obsolete. SARAN is a plastic screening made by Dow Chemical Co. and will outlast copper screening, giving 10 years service. Non-inflammable and impervious to water. Air circulates freely through its fine mesh with 68% light filtration.

Based on a made up cost of 46 1/2c per square yard, a SARAN Cloth House will cost you approximately 5 1/2c per square yard per year; this means SARAN is the lowest cost cloth house on the market today.

PRICES F.O.B. NEW JERSEY			
33' x 33'	\$113.93	66' x 132'	\$610.55
33' x 66'	188.79	66' x 165'	752.37
33' x 99'	274.82	99' x 99'	692.85
33' x 132'	351.54	99' x 132'	873.27
66' x 66'	358.98	99' x 165'	1074.62
66' x 99'	480.81		

A. F. S. SPECIAL HEAVY PLASTIC STERILIZING CLOTH

After years of experimenting we have found a heavy plastic material that makes the best sterilizing blanket so far. Strong (heavy 12 gauge), yet flexible.

Makes a tight joint at bench edges. Light (15 oz. a sq. yd.) and easy to handle. Transparent.

Available in any length or width, but pieces 6 ft. or 8 ft. wide are the most popular. Price, F.O.B. Philadelphia, Per sq. yd. \$2.25

INSECTICIDES AND FUNGICIDES

AEROSOL BOMBS.			
No.	Type	Each	*Deposit
G-50	DDT	\$ 8.50	\$3.75
G-52	TEPP	6.50	3.75
G-54	Parathion	8.00	3.75
G-57	Dithion	8.00	3.75
G-60	Aramite	12.00	3.75
*NOTE: The Deposits on the Bombs are refunded when they are returned to us prepaid.			
ARAMITE, 15% Wettable.	4-lb.	\$ 3.20	
50 lb.		38.50	
CHLORDANE, 5% DUST.	50-lb.	\$ 7.50	
DDT, 50% WETTABLE.	4 lb.	\$ 1.60	
FERMATE.	4 lb.	\$ 2.45	
Case of 12 4-lb.		25.80	
LINDANE, 25% WETTABLE.	4 lb.	\$10.00	
NICOFUME PRESSURE FUMIGATORS.			
Case of 12 1/2-lb.		\$ 4.60	
Case of 12 1-lb.		7.95	
NICOFUME LIQUID.	Quart	\$ 3.45	
Gallon		11.95	
PARATHION, 15% WETTABLE.	4-lb.	\$ 3.00	
PARZATE, 3-lb.			\$ 2.85
PLANTFUME SMOKE GENERATORS			
5,000 cu. ft. size, case of 36			\$10.50
20,000 cu. ft. size, case of 12			12.00
SANTOMERSE S.	Gallon		\$ 5.50
SNALICIDE,	5-lb.		\$ 4.00
20 lbs.	\$13.00	50 lbs.	\$29.00
SNAROL.	Metaldehyde Bait.		
1-lb.	\$.50	2 1/2-lb.	\$1.00
6-lb.	2.00	50-lb.	8.00
SODIUM SELENATE.	Pure		
4 oz.	\$2.75	1-lb.	\$7.00
SODIUM SELENATE POWDER.	"Seltox".		
25-lb.	\$ 7.25	50-lb.	\$13.50
100-lb.	24.00	500-lb.	112.50
VAPOTONE TEPP SPRAY.	Gallon		\$11.90
ZERLATE.	3 lb.		\$ 2.45
Case of 12 3-lb.			25.80